

TILL GEOCHEMISTRY OF THE RED INDIAN LAKE BASIN (NTS MAP AREAS 12A/04, 5, 6, 7, 9, 10, 11, 15 AND 16)



J.S. Organ

Open File 012A/1562

**St. John's, Newfoundland
August, 2014**

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Cover: View looking west toward the Red Indian Lake Dam, with the Exploits River in the foreground and Red Indian Lake in the background.

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ABSTRACT

This report provides the results of till-geochemistry surveys in the Red Indian Lake Basin completed between 2007 and 2012, in addition to previously unreleased data. Analyses of 59 elements from 2253 BC- or C-horizon samples are presented. These data include analyses by ICP-OES for aluminum, arsenic, barium, beryllium, cadmium, calcium, cerium, chromium, cobalt, copper, dysprosium, iron, lanthanum, lead, lithium, magnesium, manganese, molybdenum, nickel, niobium, phosphorus, potassium, scandium, sodium, strontium, titanium, vanadium, yttrium, zinc, and zirconium; and by INAA for antimony, arsenic, barium, bromine, cerium, cesium, chromium, cobalt, europium, gold, iron, hafnium, lanthanum, lutetium, molybdenum, rubidium, scandium, samarium, selenium, sodium, strontium, tantalum, terbium, thorium, tungsten, uranium, ytterbium, and zirconium. A complete data listing is provided, including field-duplicate data, and individual element-distribution maps superimposed on a bedrock-geology base map.

The Red Indian Lake Basin has been the focus of mineral exploration, in particular for volcanogenic massive sulphide occurrences, for nearly 100 years. Many occurrences of Cu–Pb–Zn mineralization are associated with the felsic volcanic rocks of the Victoria Lake supergroup. It is, therefore, not surprising that tills derived from these rocks are enriched in these elements. Elevated values of Au and As are also present. Light and heavy rare-earth elements show elevated values in tills overlying plutonic rocks located north and east of Red Indian Lake.

INTRODUCTION

This report presents the complete till-geochemistry dataset, comprising 2253 samples, collected in the Red Indian Lake Basin (RILB) during the 2009, 2010, 2011 and 2012 field seasons. Previously released geochemical data from Open File 12A/1449, comprising analyses of till samples collected in 2007 and 2008 (Smith *et al.*, 2009), are included in this report to provide context and for completeness. Current Research reports from within the RILB by Batterson and Taylor (2008) and Smith (2009, 2010, 2012, 2013), and surficial maps for NTS map area 12A/06 (Smith, 2011), 12A/07 (Smith, 2011a), 12A/10 (Smith, 2012a), 12A/09 (Organ, *in press*) and 12A/11 (Organ, 2014) provide additional information. The analytical results of the till samples, along with ice-flow and surficial-mapping data collected, provide support to current mineral exploration efforts.

LOCATION AND ACCESS

The study area lies in interior Newfoundland, and includes NTS map areas 12A/06, 7, 9, 10 and parts of NTS 12A/04, 5, 11, 15, and 16 (Figure 1). It extends from Wood Lake in the southwest to Joe Glodes Pond in the northeast, and between the Topsails and the Burgeo Highway; it is accessed by Route 370 off the Trans-Canada Highway or by a woods road off the Burgeo Highway (Route 480). Remote parts of the study area were reached by helicopter.

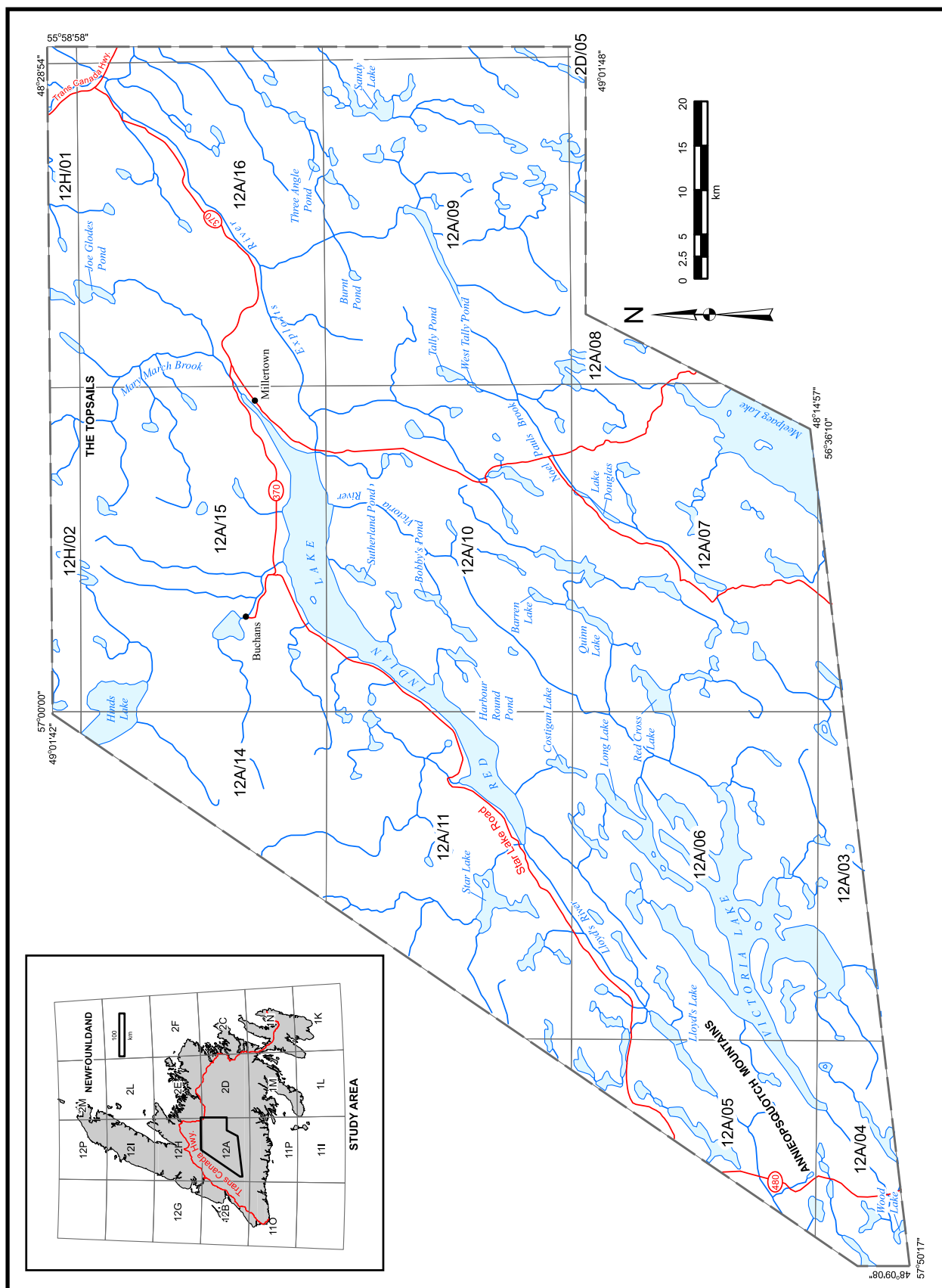
BEDROCK GEOLOGY AND MINERALIZATION

The study area lies within the Dunnage Zone of the Newfoundland Appalachians (Figure 2). Sedimentary and volcanic rocks within this zone are the remnant products of continental, intra-oceanic, back-arc and ophiolite environments, deposited within the Iapetus Ocean during the Cambro-Ordovician (Evans and Kean, 2002; Hinchey, 2008). Details of the bedrock geology of this region are found in Evans and Kean (2002), Rogers *et al.* (2005), van Staal *et al.* (2005), Hinchey (2007, 2008, 2011), Zagorevski *et al.* (2007) and Thurlow (2010). For the purpose of this report, the generalized bedrock geology compilation of Crisby-Whittle (2012) is used as a base map for plotting geochemical data.

The discovery of mineralization within the RILB began over 100 years ago, with identification of occurrences of Cu–Pb–Zn in the Buchans area (*see* Thurlow, 2010), and high-grade chalcopyrite–pyrite mineralization at the Victoria Mine deposit on the south side of Red Indian Lake (Evans and Kean, 2002; Hinchey, 2008). To date, over 300 mineral occurrences have been recorded within the study area, and documented in the provincial Mineral Occurrences System Database (Geological Survey of Newfoundland and Labrador, 2013a). These mineral occurrences include silver, asbestos, gold, barium, bismuth, copper, iron, fluorine, limestone, molybdenum, nickel, lead, pyrite, sulphur, talc, tungsten and zinc. More than half are of gold and base metals (copper, nickel, lead and zinc; Figure 2).

Thirteen occurrences in the Buchans area are past producers (Table 1), and the Duck Pond deposit (NTS map area 12A/09, 537730E 5386730N, NAD27 Zone 21) has been a producing copper–zinc mine since 2007 and is expected to stay in production until at least 2015 (Teck Resources Limited, 2013).

Seventeen significant volcanogenic massive sulphide (VMS) occurrences identified in the last 50 years have acquired the status of developed prospects (*see* Figure 2, Table 2). These are Bobby's Pond,



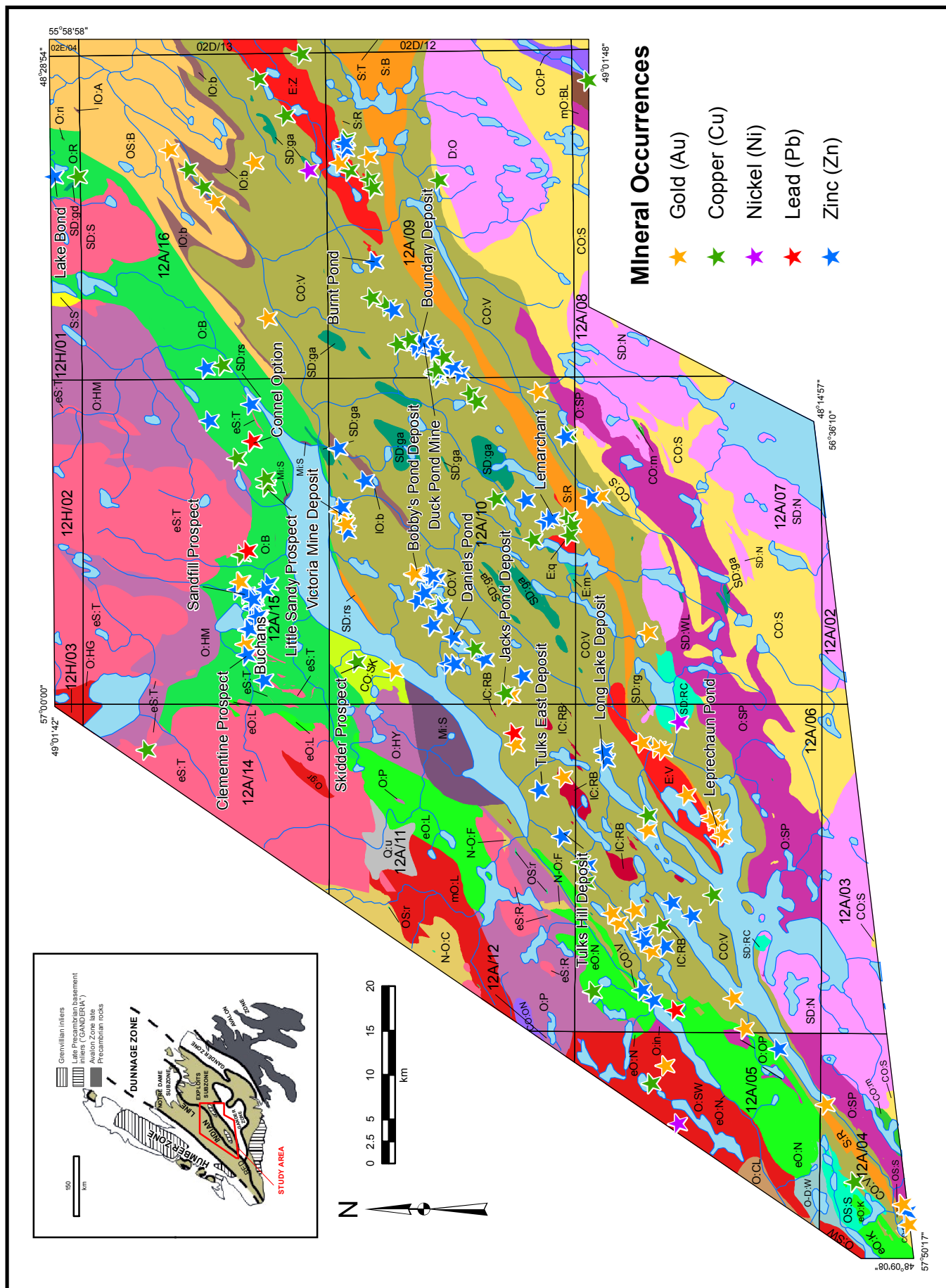


Figure 2. Map of generalized bedrock types and dominant labels, taken from the generalized bedrock compilation for the Red Indian Lake study area (Crisby-Whittle, 2012). Bold labels and associated group names are those used in the text. Locations of mineral occurrences (Newfoundland and Labrador Geological Survey, 2013a) are indicated by coloured stars: seventeen significant volcanogenic massive sulphide (VMS) occurrences mentioned in the text are labelled.

LEGEND (Figure 2)

EARLY CAMBRIAN TO EARLY ORDOVICIAN

CO:S **Spruce Brook Formation:** Quartzitic sandstone, siltstone, shale and minor conglomerate

CO:SK **Skidder Basalt:** Pillow lava, breccia, massive flows, and minor mafic pyroclastic rocks

EDIACARAN

E: (q): Equigranular, medium-grained, chlorite granite. **Valentine Lake Quartz Monzonite (V):** Quartz-porphyrific quartz monzonite, granodiorite and quartz diorite. **Crippleback Lake Quartz Monzonite (Z):** Medium- to coarse-grained, locally porphyritic, quartz monzonite and granodiorite

E:m Medium- to coarse-grained diorite

NEOPROTEROZOIC TO EARLY ORDOVICIAN

N-O:F **Fleur De Lys Supergroup (F):** Dominantly metaclastic schists with interlayered amphibolite and greenschist. **Caribou Lakes Gneiss Complex (C):** Biotite-muscovite, migmatitic paragneiss and orthogneiss

PLEISTOCENE

SURFICIAL DEPOSITS

Q:u Unconsolidated sediments

MISSISSIPPIAN

Mt:S **Shanadithit Formation:** Poorly indurated, sandstone and conglomerate; minor limestone and siltstone

EARLY TO LATE DEVONIAN

D:O **Overflow Pond Granite:** Coarse-grained, locally garnetiferous, two-mica granite

LATE SILURIAN TO MIDDLE DEVONIAN

SD:N **North Bay Granite Suite:** Biotite - muscovite granodiorite and granite.

EARLY SILURIAN TO LATE DEVONIAN

SD:gr Medium- to coarse-grained biotite granite

SD: (ga): Gabbro, diorite and quartz monzonite. (gd): Gabbro, diorite and diabase

SD:rs Red and grey, micaceous sandstone and conglomerate

EARLY SILURIAN TO MIDDLE DEVONIAN

SD:RC **Redcross Lake Intrusion:** Grey gabbro and/or diorite

SD: (rg): Medium-grained, biotite granite. (wg): White, muscovite-biotite granite and quartz-feldspar porphyry. **Wilding Lake Granite (WL):** Grey, foliated, biotite granite

EARLY SILURIAN TO EARLY DEVONIAN

SD:S **Skull Hill Syenite:** Quartz syenite, quartz monzonite, diorite and gabbro

EARLY TO LATE SILURIAN

S: **Stony Lake Volcanic Rocks (T):** Rhyolite and rhyodacite tuffs, welded tuffs, breccias and minor flows. **Springdale Group (S):** Subaerial felsic, intermediate and mafic flows and pyroclastic rocks; fluvialite red sandstone, conglomerate and shale

S:B **Botwood Group (B):** Subaerial mafic and felsic flows and pyroclastic rocks. **Rogerson Lake Conglomerate (R):** Conglomerate and arkosic sandstone

EARLY SILURIAN

STAR LAKE INTRUSIVE SUITE

eS: **Star Lake Intrusive Suite (R):** Foliated granite and minor granodiorite intrusions. **Topsails Igneous Suite (T):** Granite, granodiorite, syenite and gabbro

LATE ORDOVICIAN TO MIDDLE DEVONIAN

O-D:W **Windsor Point Complex:** Conglomerate, greywacke, siltstone and shale

LATE ORDOVICIAN TO EARLY SILURIAN

OS:S **Southern Long Range Mafic Intrusions:** Mafic plutons, layered gabbro, and hornblende gabbro

OS:r Fine- to medium-grained gabbro intrusive into Ordovician age rocks

OS:B **Badger Group:** Grey, well-bedded greywacke, including conglomerate layers

LATE ORDOVICIAN

IO: (b): Black shale and minor siliceous slate. **Shoal Arm Formation (A):** Chert, carbonaceous argillite and argillaceous siltstone

MIDDLE TO LATE ORDOVICIAN

O:gr Massive to moderately foliated granodiorite and minor tonalite. with many small mafic to ultramafic fragments

MIDDLE ORDOVICIAN

mO:BL **Great Burnt Lake Granite:** Strongly foliated or mylonitic, pink to white, mostly megacrystic, biotite granite

mO:L **Lewaseechjech Brook Plutonic Suite:** Massive to foliated, equigranular or porphyritic, biotite-hornblende granodiorite and tonalite

EARLY ORDOVICIAN TO LATE SILURIAN

OS:m Fine- to medium-grained gabbro and diorite with minor diabasic phases

EARLY TO LATE ORDOVICIAN

O:HG **Hinds Brook Granite:** White to pink, medium- to coarse-grained, biotite-amphibole

O:Y **Baie D'espoir Group:** Marine clastic sedimentary rocks, including large amounts of turbidite with a significant volcanogenic component

O:SW **Southwest Brook Complex:** Foliated and massive tonalite, biotite granite, granodiorite, quartz diorite and leucogranite

O:P **Pierre's Pond Plutonic Suite:** Mainly foliated, biotite-hornblende granodiorite, and hornblende tonalite

O:in Biotite granite and granodiorite

O:CL **Cormacks Lake Complex:** Supracrustal rocks consisting of cordierite-gedrite gneiss, psammite, pelite calc-silicate gneiss, and amphibolite

LEGEND (Figure 2 continued)

EARLY TO MIDDLE ORDOVICIAN

- O:OP** **Otter Pond Complex (OP):** Hornblende +/- biotite granodiorite to tonalite; gabbro to diorite. **Snowshoe Pond Granite (SP):** Biotite granite and granodiorite
- O:ri** Intrusions into the Roberts Arm Group, including coarse-grained, pyroxene (hornblende) gabbro and equigranular, hornblende quartz diorite
- O:** **Roberts Arm Group (R):** Mafic pillow lava, pillow breccia, agglomerate and tuff. **Buchans Group (B):** Mafic, intermediate and felsic flows, pyroclastic rocks and iron formation
- O:** **Halfway Mountain Granodiorite (HY):** Medium- to coarse-grained, biotite-amphibole subsolvus granodiorite to granite. **Hungry Mountain Complex (HM):** Tonalite, granodiorite, diorite, gabbro, and amphibolite

EARLY ORDOVICIAN

- eO:** **Star Lake Ophiolite Complex (L):** Local pods and dykes of pegmatitic hornblende diorite and fine-grained hornblende plagiogranite (tonalite) in diabase dyke complexes. **King George IV Lake Complex (K):** Dark green, mafic pillow lava and minor pillow breccia; intercalated mafic tuffs and green and red chert. **Annieopsquotch Complex (N):** Basaltic pillow lava and minor red chert; sheeted diabase dykes and rare trondhjemite and breccia dykes

LATE CAMBRIAN TO MIDDLE ORDOVICIAN

- CO:** **Pipestone Pond Complex (P):** Ophiolite complex consisting of ultramafic rocks. **Unnamed Ophiolite (Exploits Subzone)(O):** Ultramafic rocks, gabbro, trondhjemite, diabase, volcanic and sedimentary rocks of the ophiolite suite

LATE CAMBRIAN TO EARLY ORDOVICIAN

- CO:ON** **Unnamed Ophiolite (NotreDame Subzone)(ON):** Ultramafic rocks, gabbro, trondhjemite, diabase, volcanic and sedimentary rocks of the ophiolite suite

LATE CAMBRIAN

- IC:RB** **Roebucks Brook Intrusions:** Quartz monzonite, granodiorite, quartz diorite, diorite and gabbro

EARLY CAMBRIAN TO LATE ORDOVICIAN

- CO:V** **Victoria Lake Supergroup:** Mafic to felsic flows and pyroclastic volcanic rocks, pillow lava, and epiclastic volcanic rocks

EARLY CAMBRIAN TO MIDDLE ORDOVICIAN

- CO:m** Diabase and foliated amphibolite

Boundary, Burnt Pond, Clementine, Connel Option, Daniel's Pond, Jack's Pond, Lemarchant, Leprechaun Pond, Lake Bond, Little Sandy, Long Lake, Sandfill, Skidder, Tulks East, Tulks Hill, and Victoria Mine (Table 2; Geological Survey of Newfoundland and Labrador, 2013a). They are largely confined to the Victoria Lake supergroup and associated rocks, including the Skidder Basalt, Annieopsquotch Complex, Valentine Lake quartz monzonite, Buchans Group (mafic and felsic flows, pyroclastic rocks and iron formation), Crippleback Lake Quartz Monzonite and Southwest Brook Complex (tonalite, granite and granodiorite; Crisby-Whittle, 2012; Geological Survey of Newfoundland and Labrador, 2013a).

QUATERNARY GEOLOGY

Smith (2009, 2010, 2012, and 2013) previously described the Quaternary geology of the RILB, including the glacial history and surficial geology.

Table 1. Mineral occurrences that have the status *past producers* identified in the Red Indian Lake Basin. NMINO – National Mineral Inventory Number

NMINO	Commodity Name (Major)	Deposit Name	Secondary Commodity	Easting	Northing	UTMZone	NTS
012A/15/Zn 013	Zinc	MacLean Extension	Barium, Copper, Gold, Lead, Silver	508400	5408700	21	12A/15
012A/15/Zn 012	Zinc	Old Buchans West	Barium, Copper, Gold, Lead, Silver	509650	5407475	21	12A/15
012A/15/Zn 008	Zinc	Engine House Orebody	Barium, Copper, Gold, Lead, Silver	509900	5407425	21	12A/15
012A/15/Zn 007	Zinc	Two Level Orebody	Barium, Copper, Gold, Lead, Silver	509525	5407910	21	12A/15
012A/15/Zn 005	Zinc	MacLean	Barium, Copper, Gold, Lead, Silver	508500	5408625	21	12A/15
012A/15/Zn 002	Zinc	Oriental #1	Barium, Copper, Gold, Lead, Silver	511900	5407950	21	12A/15
012A/15/Ba 001	Barium	Buchans Tailings		509500	5407000	21	12A/15
012A/15/Zn 001	Zinc	Lucky Strike	Barium, Copper, Gold, Lead, Silver	509850	5407650	21	12A/15
012A/15/Zn 019	Zinc	Lundberg Zone	Copper, Lead, Gold, Silver	509900	5407640	21	12A/15
012A/15/Zn 009	Zinc	Old Buchans Main	Barium, Copper, Gold, Lead, Silver	511025	5408050	21	12A/15
012A/15/Zn 003	Zinc	Oriental #2	Barium, Copper, Gold, Lead, Silver	511780	5408175	21	12A/15
012A/15/Zn 004	Zinc	Rothermere	Barium, Copper, Gold, Lead, Silver	509150	5407950	21	12A/15
012A/15/Zn 010	Zinc	Old Buchans Conglomerate	Barium, Copper, Gold, Lead, Silver	510875	5408075	21	12A/15

Table 2. Mineral occurrences in the Red Indian Lake Basin that have the status *developed prospects*.
NMINO – National Mineral Inventory Number

NMINO	Commodity Name (Major)	Deposit Name	Secondary Commodity	Easting	Northing	UTMZone	NTS
012A/10/Zn 001	Zinc	Bobby's Pond	Copper, Lead, Silver, Gold	514630	5389860	21	12A/10
012A/15/Zn 011	Zinc	Sandfill	Barium, Copper, Gold, Lead, Silver	512475	5409000	21	12A/15
012A/09/Zn 001	Zinc	Burnt Pond	Copper, Gold, Lead Silver	549931	5394529	21	12A/09
012H/01/Zn 001	Zinc	Lake Bond	Copper, Lead, Silver, Gold	559470	5430600	21	12H/01
012A/06/Zn 004	Zinc	Long Lake	Copper, Gold, Silver, Lead	493700	5368300	21	12A/06
012A/10/Cu 004	Copper	Skidder	Zinc, Silver, Gold	504750	5396450	21	12A/10
012A/10/Cu 003	Copper	Victoria Mine	Lead, Zinc	521710	5398300	21	12A/10
012A/15/Pb 001	Lead	Connel Option	Zinc	529675	5408250	21	12A/15
012A/15/Zn 006	Zinc	Clementine	Barium, Copper, Lead, Silver	505550	5408850	21	12A/15
012A/11/Zn 002	Zinc	Tulks East	Lead, Copper, Silver, Gold	490290	5375840	21	12A/11
012A/10/Cu 001	Copper	Jacks Pond	Lead, Zinc	501240	5379700	21	12A/10
012A/10/Zn 012	Zinc	Lemarchant	Copper, Gold, Lead, Silver	520930	5374540	21	12A/10
012A/15/Cu 001	Copper	Little Sandy		524600	5406625	21	12A/15
012A/09/ZN 011	Zinc	Boundary	Copper, Lead, Silver, Gold	540770	5389170	21	12A/09
012A/11/Zn 001	Zinc	Tulks Hill	Lead, Copper, Silver, Gold	485075	5373300	21	12A/11
012A/06/Au 005	Gold	Leprechaun Pond	Silver, Tungsten	486230	5355620	21	12A/06
012A/10/Zn 009	Zinc	Daniels Pond	Silver, Lead, Copper, Gold	507550	5385600	21	12A/10

In summary, during the late Wisconsinan glacial maximum (~21 ka BP), Newfoundland was covered by a series of coalescent ice caps that extended out to the edge of the continental shelf, forming the Newfoundland Ice Cap (Grant, 1989; Shaw *et al.*, 2006). Subsequently, as deglaciation became land-based at about ~13 ka BP (Figure 3a), the Newfoundland Ice Cap disintegrated into a number of small, isolated ice caps (Figure 3b; Grant, 1974). Figure 4 shows the ice-flow history for the RILB. Deglaciation consists of three main late Wisconsinan ice-flow phases. Phase 1 is the oldest and is a south to southeastward flow from the Topsails, Phase 2 is a northeast and southwestward flow from an ice divide between Harbour Round Pond and Costigan Lake; and Phase 3, the youngest, is a southward flow (Klassen, 1994; Smith, 2009, 2010 and 2013). Grant (1974) postulated one of these ice caps to lie over Red Indian Lake, however, the identification of multiple phases of glacial Lake Shanadithit (Smith, 2012) suggests that the late-stage ice cap over the RILB was much larger and disintegrated quickly, leaving isolated remnant ice on the highlands west of Buchans, and larger remnants south of Red Indian Lake (Figure 3b). Glacial Lake Shanadithit drained upon the opening of the Exploits River outlet, and left a small ice mass to the north and a large ice mass south of the river; both retreated southward. Radiocarbon dates of lake sediment from south of Millertown (GSC-4231), and on the road north of Meelpaeg Lake (GSC-4186), indicate that these areas were ice-free by 9.3 ka BP (McNeely and McCuaig, 1991).

The surficial geology is complex and reflects sediment deposition under the influence of ice (diamicton or till), flowing water (sand and gravel) and standing water (fine-grained sand to mud). The complexity of surficial deposits is the result of an actively retreating, irregular ice margin accompanied by large volumes of meltwater derived from the ice. Postglacial organic deposits (bogs, peat and fens) are widespread. Sand and gravel (glaciofluvial deposits), fine-grained sand to mud (glaciolacustrine deposits) and organic deposits are described in Smith (2009, 2010 and 2013). The focus of the following paragraph is to describe the glacial diamicton identified in the RILB.

Glacial diamicton (till) is the dominant sediment type in the RILB and was the preferred sample medium for geochemical analysis because it is deposited in contact with glacial ice. The till ranges in thickness

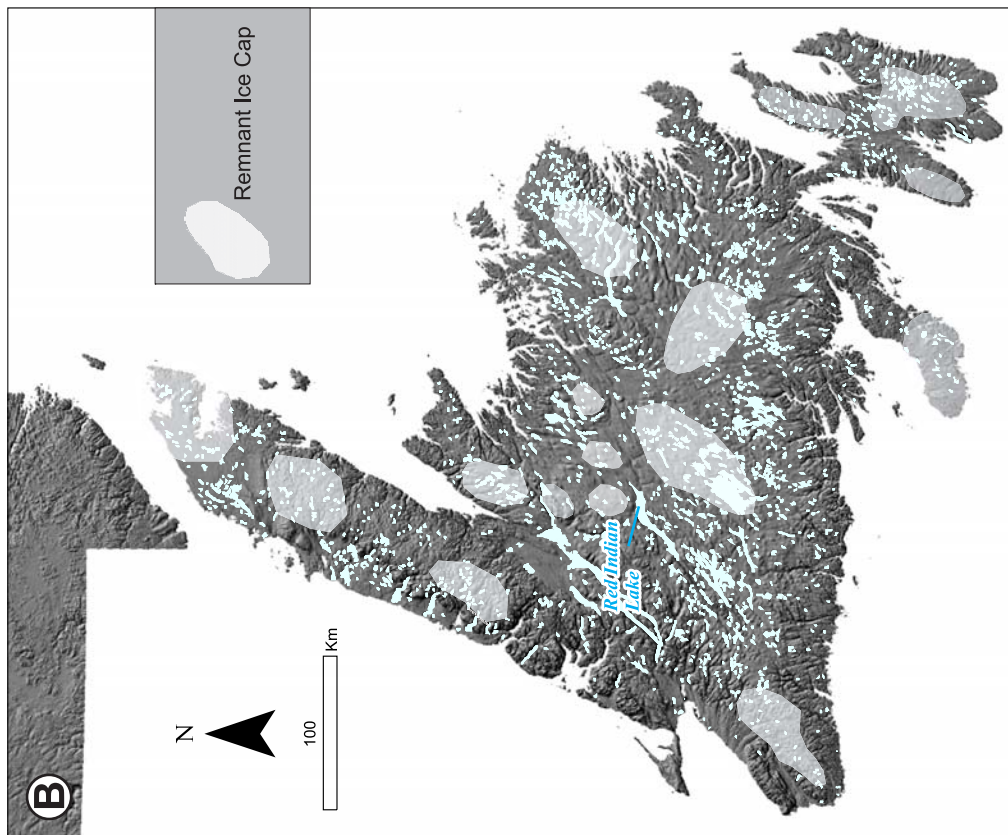


Figure 3. A) Pattern of glaciation on the Island of Newfoundland (after Shaw et al., 2006). Shows the retreat of ice (white polygons) on to land and change in the location of ice divides (dashed blue lines) at 13 ka (~14.8 ka cal years BP). B) Map of Newfoundland showing the approximate location of remnant ice caps as the Newfoundland ice cap disintegrated (modified after Grant, 1974).

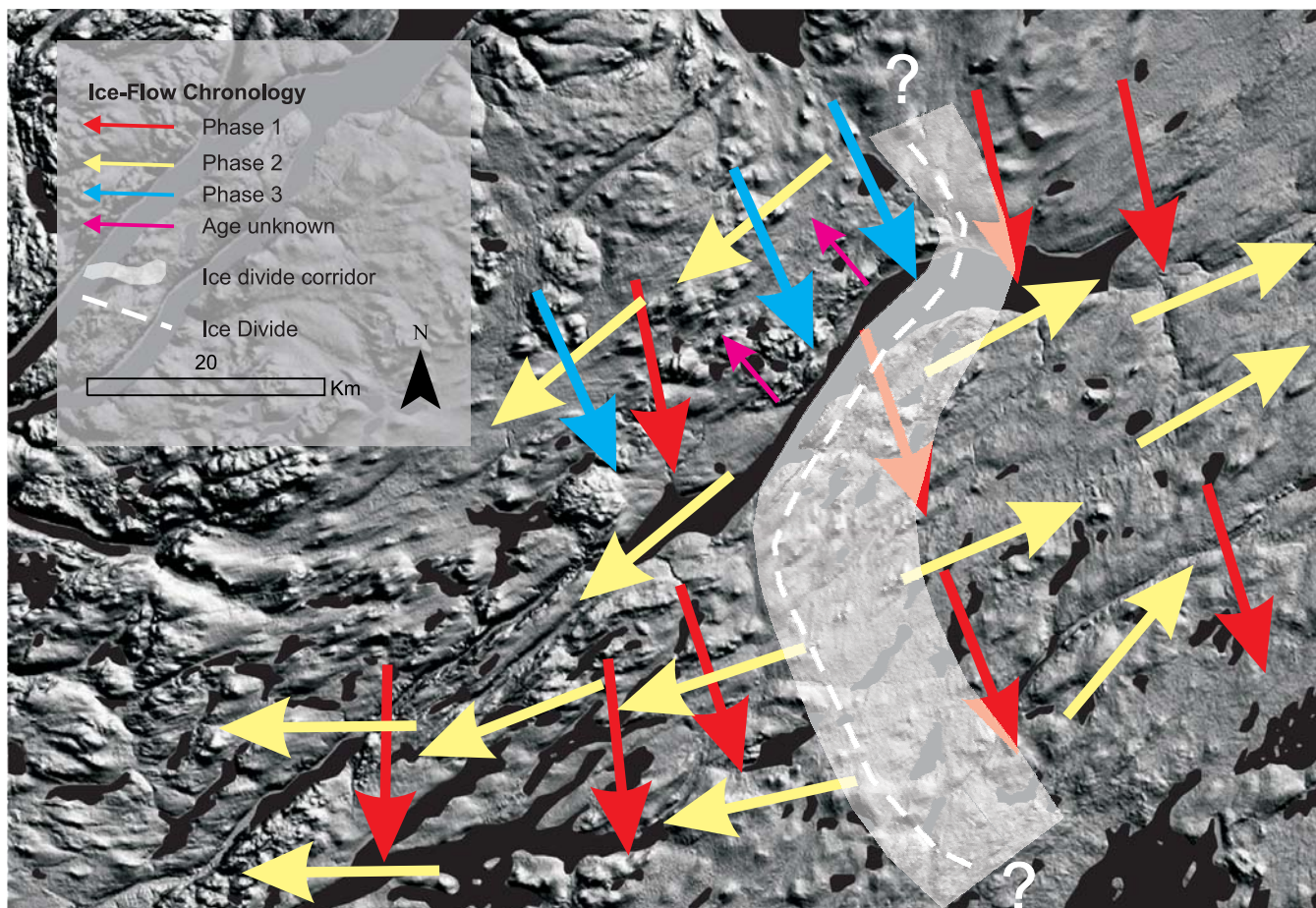


Figure 4. Map showing the ice-flow history for the Red Indian Lake Basin. Large arrows depict the three ice-flow phases that affected the study area. Due to lack of striation data an ice divide corridor (white polygon) was drawn to constrain the ice divide (white dashed line). The lateral extent north of Red Indian Lake and south of Snowshoe Pond is not known and is marked with question marks.

from 0.05 to 1.5 m in bedrock-dominated areas (e.g., southwest of Buchans, Annieopsquotch Mountains) to over 10 m south of Red Indian Lake, and as much as 55 m in the Buchans area. In areas where the till is thick, it forms a slightly undulating topography that masks the underlying terrain. In the south, the till has a hummocky appearance and its surface is commonly covered by angular boulders (ranging from 0.5 to 4 m diameter, Plate 1). Ridges are common south of Barren Lake and north of Star Lake.

In the southwest, three diamictons, all of which have been designated as basal till, were identified in stratigraphic sequence from a backhoe-dug pit, with Unit 1 being the lowermost, succeeded by units 2 and 3 (Smith, 2010). Unit 1 is a compact and light brownish-red (Munsell colour 2.5Y 6/2) till, with a silty clay matrix, containing minor fine-grained sand. Unit 2 is a yellowish brown (10 YR5/4) structureless fine-grained sandy-silty till; and Unit 3, the uppermost, is a compact, fissile, yellowish red (5YR4/6) till with a silty sand matrix. It has a low content of clasts, which range in diameter from 0.2 to 5 cm.

In the east, only one till unit was identified through hand-dug pits (Smith, 2013); this unit is very similar to Unit 3 described above in the southwest of the study area (Smith, 2010). There are likely multiple



Plate 1. A 4-m till section located on the south side of Red Indian Lake. The till is composed of a dark brown (Munsell colour 7.7YR4/3) silty-sand matrix, and contains clasts 0.2-50 cm in diameter.

tills located in the eastern part of the study area, however there has been no backhoe program to confirm this. The till in the east is a compact silty sand to sandy silt, that ranges from dark yellowish brown (Munsell colour 10YR4/4) to light olive brown (2.5Y4/4), and has a low (1–20 %) clast concentration. Clasts are striated and typically subangular, but range overall from angular to subrounded. There is considerable variation in the texture and colour of the upper till; this is likely the result of up-ice variations in bedrock type.

REGIONAL SURFICIAL SEDIMENT SAMPLING

SAMPLING AND SAMPLE PREPARATION METHODS

Till sample locations were selected from areas mapped as such, and samples were collected from the C- and BC-soil horizons in hand-dug pits and roadcuts. Where there was an absence of till, samples were collected from bedrock detritus. Glaciofluvial and glaciolacustrine sediments were not sampled because of the possibility of reworking, and the difficulty in defining distances and directions of transport.

Sampling depths of hand-dug pits ranged from 10 to 470 cm (average 63 cm), whereas sampling depths in roadcuts ranged from 50 to 550 cm (average 140 cm).

The spacing between samples varied depending on accessibility. In road-accessible locations, samples were collected at a density of one every 1 km², whereas in more remote areas, which required helicopter support, the corresponding sampling density was one every 4 km². In every sequence of 20 samples, one duplicate sample was collected to check for the field reproducibility of the analyses, and as part of the quality-assurance process. Samples were air-dried at 40°C at the Geological Survey's Geochemical Laboratory in St. John's, and dry-sieved through 180 µm stainless-steel sieves, with the fine fraction submitted for geochemical analysis (*see below*). Sample locations are shown in Figure 5.

GEOCHEMICAL ANALYSIS

Gravimetric Analysis (for LOI) and inductively coupled plasma-optical emission spectrometry (ICP-OES) for 32 elements were carried out at the Geological Survey's Geochemical Laboratory, and instrumental neutron activation analysis (INAA) for 27 elements was carried out by external laboratories (Activation Laboratories of Ancaster, Ontario and Becquerel Laboratories of Mississauga, Ontario). The data listings (Appendix B) include all of the field and analytical data from the sampling program. To distinguish the different analytical methods used, the trace-element variables are labelled with a combination of the element name, a numeric code indicating the method of analysis, and the unit of measurement. A complete list of variables is given in Table 3. A description of the analytical methods used is in Appendix A.

STATISTICAL ANALYSIS – FREQUENCY DISTRIBUTIONS

A Spearman rank correlation matrix (Cheeney, 1983, p. 88) for 43 variables is shown in Figure 6. Analyses for certain elements have been omitted, either because they duplicate analyses by another method that appears to be more precise (*see Quality Assurance, Appendix A*), or because too many (more than 25%) of the element's analyses fall below the analytical detection limit.

The strongest correlations are mainly, but not exclusively, displayed by pairs of rare-earth elements: Dy2 and Y2 (correlation coefficient 0.90); La2 and Sm1, and Lu1 and Yb1 (correlation coefficients 0.89 for both pairs); K2 and Rb1 (0.84); Sm1 and Tb1 (0.83); Sc2 and V2 (0.82); and Be2 and K2 (0.81).

Figures 7–14 compare the cumulative frequencies of eight selected elements (As1, Au1, Cu2, La1, Ni2, Pb2, Yb1 and Zn2) in the RILB dataset and in the dataset for the rest of Newfoundland. The RILB samples are markedly higher than the Island dataset in As1, Au1 and Cu2, and markedly lower in La2. The other differences are more marginal. Table 4 show the median values of these elements for the two populations.

INTERPRETATION OF GEOCHEMICAL DATA

The base metals Cu, Pb and Zn were selected for detailed interpretation because of their suitability as pathfinder elements for VMS deposits, for which the region has a rich history of discovery. The distribution of Ni is also examined because of its potential as a pathfinder for magmatic deposits hosted in mafic

Table 3. List of variables and description of data

VARIABLE	DESCRIPTION	VARIABLE	DESCRIPTION
Sample	Unique sample ID. First and second number represents year (e.g., 06 = 2006)	La1 ppm	Lanthanum, ppm, by INAA
NTS_Map	NTS sheet (1:50 000)	La2 ppm	Lanthanum, ppm, by ICP
UTMEast	UTM map coordinate NAD 27	Li2 ppm	Lithium, ppm, by ICP
UTMNorth	UTM map coordinate NAD 27	LOI pct	Loss-on-ignition, %
UTMZone	UTM zone	Lu1 ppm	Lutetium, ppm, by INAA
Horizon	Soil horizon sampled	Mg2 pct	Magnesium, %, by ICP
Depth cm	Sample depth (cm)	Mn2 ppm	Manganese, ppm, by ICP
Elevation m	Elevation (metres)	Mo1 ppm	Molybdenum, ppm, by INAA
Weight g	Weight for INAA (grams)	Mo2 ppm	Molybdenum, ppm, by ICP
Ag6 ppm	Silver, ppm, by ICP	Na1 pct	Sodium, %, by INAA
Al2 pct	Aluminum, %, by ICP	Na2 pct	Sodium, %, by ICP
As1 ppm	Arsenic, ppm, by INAA	Nb2 ppm	Niobium, ppm, by ICP
As2 ppm	Arsenic, ppm, by ICP	Ni2 ppm	Nickel, ppm, by ICP
Au1 ppb	Gold, ppb, by INAA	P2 ppm	Phosphorus, ppm, by ICP
Ba1 ppm	Barium, ppm, by INAA	Pb2 ppm	Lead, ppm, by ICP
Ba2 ppm	Barium, ppm, by ICP	Rb1 ppm	Rubidium, ppm, by INAA
Be2 ppm	Beryllium, ppm, by ICP	Rb2 ppm	Rubidium, ppm, by ICP
Br1 ppm	Bromine, ppm, by INAA	Sb1 ppm	Antimony, ppm, by INAA
Ca2 pct	Calcium, %, by ICP	Sc1 ppm	Scandium, ppm, by INAA
Cd2 ppm	Cadmium, ppm, by ICP	Sc2 ppm	Scandium, ppm, by ICP
Ce1 ppm	Cerium, ppm, by INAA	Se1 ppm	Selenium, ppm, by INAA
Ce2 ppm	Cerium, ppm, by ICP	Sm1 ppm	Samarium, ppm, by INAA
Co1 ppm	Cobalt, ppm, by INAA	Sr2 ppm	Strontium, ppm, by ICP
Co2 ppm	Cobalt, ppm, by ICP	Ta1 ppm	Tantalum, ppm, by INAA
Cr1 ppm	Chromium, ppm, by INAA	Tb1 ppm	Terbium, ppm, by INAA
Cr2 ppm	Chromium, ppm, by ICP	Th1 ppm	Thorium, ppm, by INAA
Cs1 ppm	Cesium, ppm, by INAA	Ti2 ppm	Titanium, ppm, by ICP
Cu2 ppm	Copper, ppm, by ICP	U1 ppm	Uranium, ppm, by INAA
Dy2 ppm	Dysprosium, ppm, by ICP	V2 ppm	Vanadium, ppm, by ICP
Eu1 ppm	Europium, ppm, by INAA	W1 ppm	Tungsten, ppm, by INAA
Fe1 pct	Iron, %, by INAA	Y2 ppm	Yttrium, ppm, by ICP
Fe2 pct	Iron, %, by ICP	Yb1 ppm	Ytterbium, ppm, by INAA
Hf1 ppm	Hafnium, ppm, by INAA	Zn2 ppm	Zinc, ppm, by ICP
K2 pct	Potassium, %, by ICP	Zr1 ppm	Zirconium, ppm, by INAA
		Zr2 ppm	Zirconium, ppm, by ICP

Note: ppm = parts per million; ppb = parts per billion; pct = %

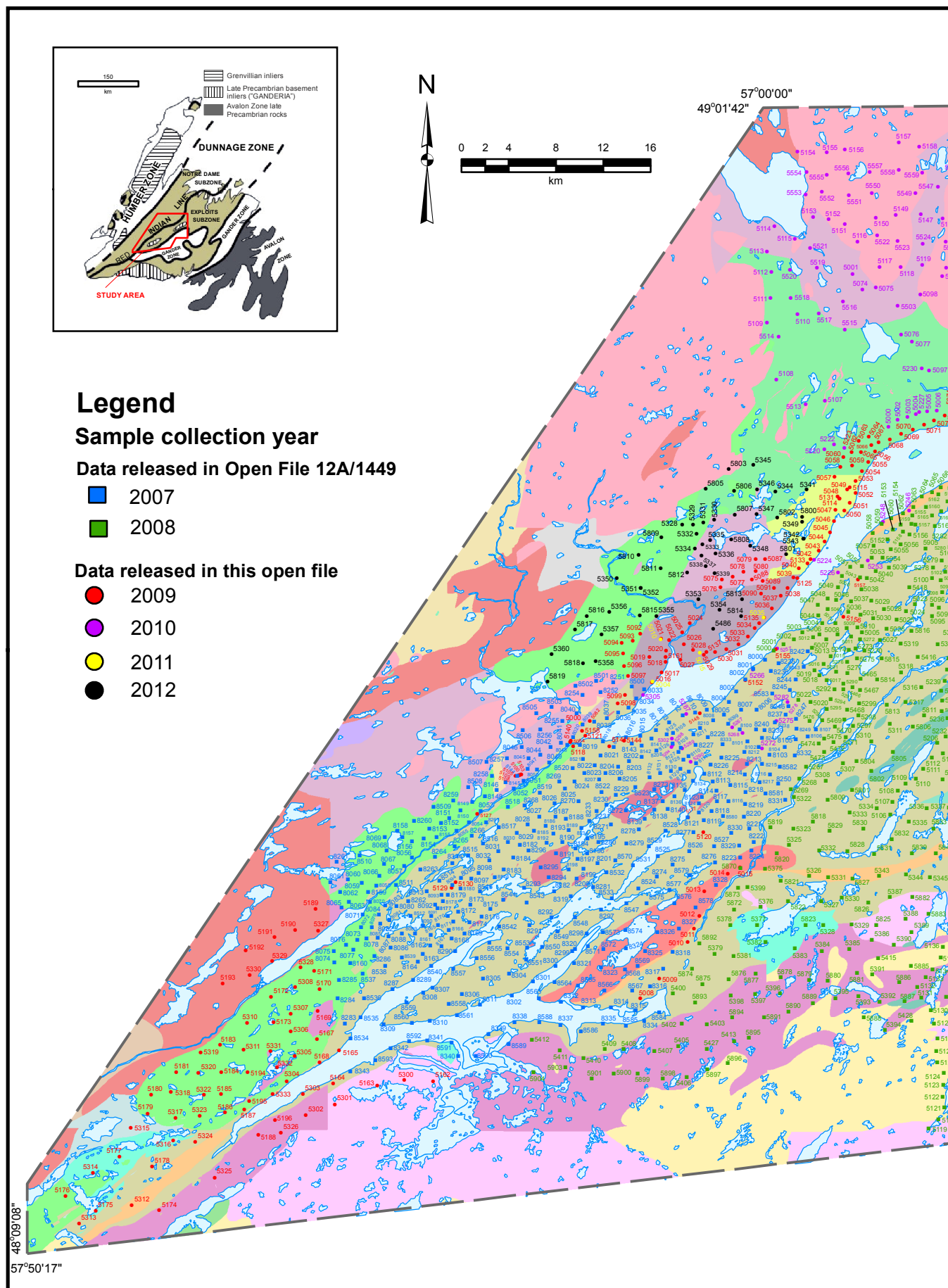


Figure 5. Location of samples collected as part of Open File 12A/1449 (2007-blue squares; 2008-green squares; Smith et al., 2009) and samples collected in 2009 (red dots), 2010 (purple dots), 2011 (yellow dots) and 2012 (black dots). Total number of samples is 2253.

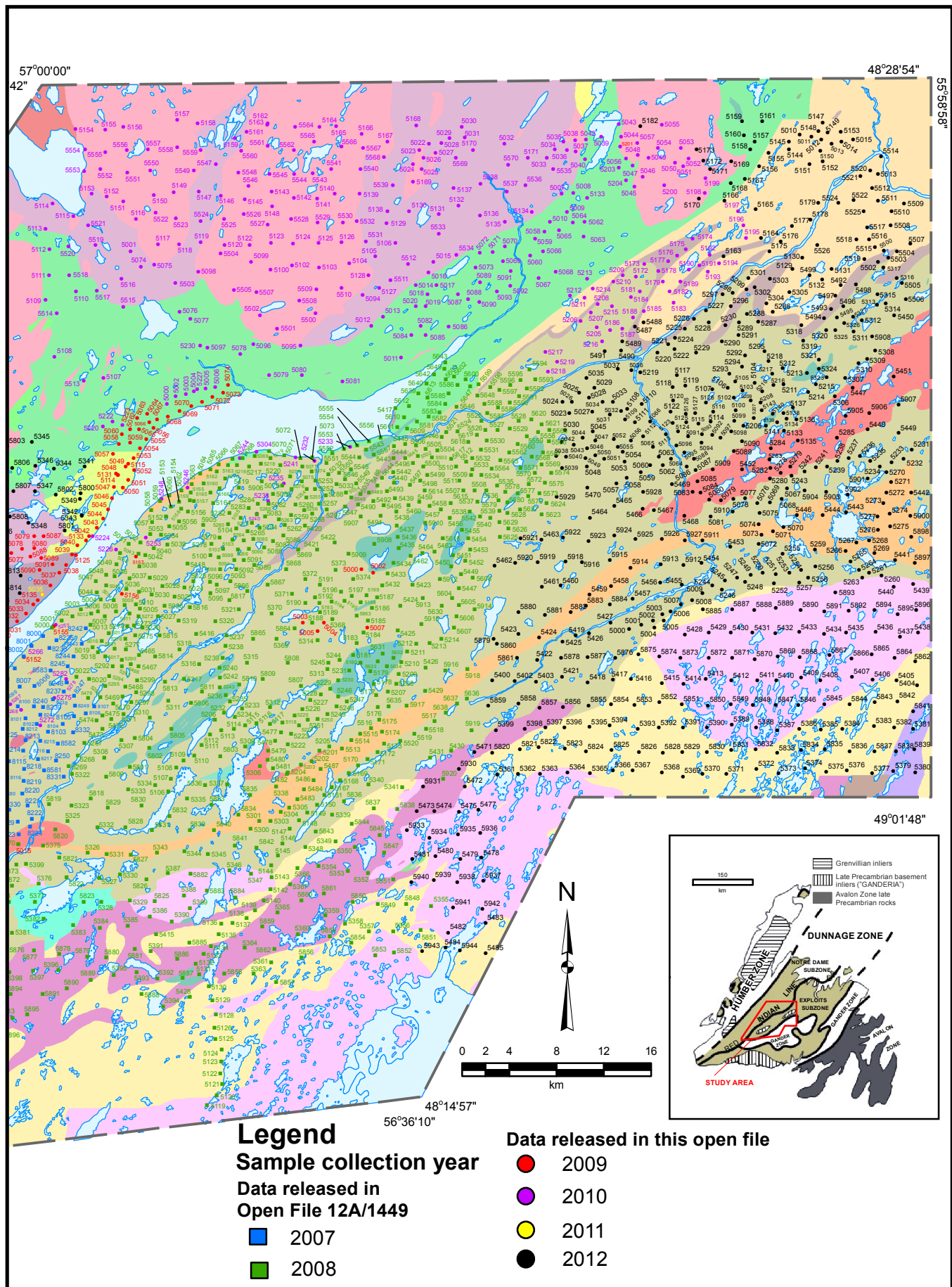


Figure 5. (continued).

Al2	As1	Ba1	Be2	Br1	Ca2	Co2	Cr1	Cs1	Cu2	Dy2	Eu1	Fe2	Hf1	K2	La1	Li2	Lu1	Mg2	Mn2	Na2	Nb2	Ni2	P2	Pb2	Rb1	Sb1	Sc2	Sm1	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	Y2	Yb1	Zn2	Zr2		
0.11	-0.21																																								
0.45	-0.28	0.32																																							
0.46	-0.17	-0.24	0.15	0.15																																					
0.05	-0.14	0.09	-0.16	-0.09																																					
-0.17	0.43	-0.15	-0.43	-0.06	0.13	0.12																																			
0.29	0.12	0.31	0.52	-0.05	-0.03	-0.10	0.02																																		
-0.11	0.51	-0.09	-0.40	-0.16	0.27	0.55	0.02	0.28																																	
-0.02	0.11	-0.02	-0.18	-0.02	0.33	0.11	-0.06	0.25	0.12																																
0.25	0.16	0.00	0.48	0.02	-0.33	-0.25	0.27	-0.14	-0.02	0.22	-0.01																														
-0.04	0.68	-0.08	-0.31	-0.24	0.06	0.45	0.21	0.67	0.22	0.22	-0.31	0.12																													
-0.03	-0.03	0.19	0.06	-0.06	0.41	0.38	0.25	0.38	-0.01	-0.33	0.12																														
0.16	0.25	0.16	0.10	-0.19	0.22	0.15	0.43	0.28	0.06	0.09	0.32	0.31																													
0.23	0.59	-0.15	-0.22	0.05	0.10	0.52	0.16	0.69	0.17	0.04	0.68	0.22	0.38																												
-0.03	-0.43	0.23	0.56	0.02	-0.01	-0.33	0.19	-0.51	-0.01	0.19	-0.56	0.05	-0.06	-0.55																											
0.24	-0.33	0.50	0.81	-0.09	-0.20	-0.44	0.35	-0.43	-0.21	0.43	-0.33	-0.01	0.01	-0.37	0.57																										
0.14	0.18	0.18	0.47	-0.20	-0.15	-0.19	0.57	-0.03	-0.06	0.65	0.12	-0.01	0.35	0.07	0.25	0.45																									
0.16	0.42	-0.08	0.14	-0.02	-0.24	0.01	0.16	0.21	0.25	0.62	0.32	-0.25	0.07	0.30	-0.13	0.07	0.30	-0.13	0.07	0.30	-0.13	0.07	0.30	-0.13	0.07	0.30	-0.13	0.07	0.30	-0.13	0.07	0.30	-0.13	0.07	0.30	-0.13	0.07	0.30	-0.13		
0.14	-0.13	0.24	0.33	-0.06	0.09	-0.01	0.29	-0.07	-0.32	0.01	-0.12	0.40	0.38	0.02	0.27	0.32	0.38	-0.33	-0.12																						
0.07	0.29	0.05	-0.36	-0.19	0.50	0.46	0.01	0.72	0.44	-0.19	0.58	0.35	0.32	0.62	-0.46	-0.33	-0.05	0.13	-0.10	-0.02																					
0.00	0.56	0.00	-0.12	-0.25	0.20	0.42	0.24	0.72	0.15	0.09	0.67	0.28	0.41	0.67	-0.43	-0.19	0.20	0.36	-0.08	0.00	0.56																				
0.07	-0.25	0.24	-0.07	-0.14	0.50	0.07	0.06	0.08	-0.21	-0.46	-0.08	0.43	0.19	-0.09	-0.05	-0.07	-0.13	-0.32	-0.35	0.36	0.22	0.04																			
0.25	0.06	0.10	0.40	0.17	0.02	0.07	0.32	0.19	-0.10	0.27	-0.03	0.34	0.23	0.28	0.18	0.25	0.20	0.27	0.25	0.11	0.27	0.03																			
0.12	0.55	-0.07	-0.16	-0.14	0.17	0.32	0.22	0.64	0.49	0.14	0.75	0.04	0.32	0.67	-0.46	-0.27	0.13	0.51	0.05	-0.15	0.66	0.84	-0.16	0.12																	
-0.15	0.52	-0.05	-0.03	-0.08	0.13	0.35	0.24	0.69	-0.01	0.15	0.52	0.22	0.41	0.62	-0.37	-0.15	0.30	0.23	0.05	0.10	0.35	0.50	0.02	0.21	0.45																
-0.20	0.43	-0.03	-0.02	-0.13	-0.34	0.14	0.11	0.22	-0.16	0.24	0.36	-0.05	0.05	0.18	-0.16	0.06	0.34	0.22	-0.09	0.15	0.01	0.21	-0.23	-0.03	0.20	0.28															
0.23	-0.25	0.33	-0.17	-0.02	-0.26	-0.42	0.36	-0.41	0.26	0.55	0.31	-0.11	0.01	-0.31	0.54	0.84	0.50	0.19	-0.06	0.28	-0.59	-0.17	-0.16	0.28	-0.23	-0.11	0.08														
0.28	0.68	-0.13	-0.18	-0.33	-0.25	0.15	0.11	0.24	0.16	0.31	0.51	-0.22	0.17	0.30	-0.14	-0.12	0.27	0.45	-0.17	-0.24	0.07	0.34	-0.05	0.38	0.29	0.26	-0.02														
0.10	0.48	-0.07	-0.47	-0.19	0.38	0.50	0.01	0.72	0.28	-0.18	0.67	0.29	0.38	0.74	-0.62	-0.47	-0.07	0.13	-0.03	0.01	0.80	0.62	0.18	0.04	0.66	0.45	0.09	-0.49	0.22												
0.19	0.11	0.16	0.52	-0.17	-0.07	-0.17	0.55	-0.03	-0.15	0.53	0.07	0.12	0.51	0.07	0.28	0.42	0.89	0.20	-0.16	0.48	-0.05	0.19	0.00	0.30	0.07	0.30	0.24	0.50	0.21	-0.03											
0.05	0.03	0.23	-0.25	-0.17	-0.77	0.12	0.08	0.29	-0.32	0.20	0.27	0.24	0.16	-0.18	-0.23	-0.19	-0.08	-0.25	0.13	0.45	0.31	0.51	0.02	0.25	0.17	-0.36	-0.35	-0.04	0.43	-0.16											
0.16	-0.07	0.07	0.99	0.09	-0.23	0.33	-0.27	0.13	0.51	-0.22	-0.08	0.12	-0.13	0.46	0.49	0.44	0.24	0.12	0.13	-0.30	-0.03	-0.16	0.52	-0.10	-0.01	-0.10	0.59	0.14	-0.35	0.47	-0.20										
0.13	-0.02	0.10	0.51	-0.07	-0.09	-0.16	0.39	-0.11	-0.21	0.42	-0.08	0.16	0.33	-0.06	0.40	0.45	0.66	0.09	-0.11	0.45	-0.16	0.06	0.00	0.30	-0.10	0.12	0.11	0.50	0.12	-0.15	0.33	-0.22	0.49	0.53							
0.29	-0.06	0.25	0.71	0.09	-0.25	-0.28	0.55	-0.25	0.49	-0.13	0.06	0.17	-0.13	0.46	0.63	0.70	0.10	0.03	0.45	-0.28	-0.09	-0.09	0.31	-0.11	0.08	0.30	0.68	-0.04	-0.37	0.52	-0.37	0.49	0.53								
0.31	0.14	0.02	0.05	0.07	0.43	0.08	0.25	0.32	0.15	0.13	0.17	0.24	0.39	0.45	-0.10	0.12	0.18	0.18	0.07	0.38	0.35	0.20	0.51	0.37	0.34	-0.24	-0.08	0.04	0.46	0.16	0.48	0.27	0.08	-0.04							
0.23	0.04	0.67	-0.02	-0.23	-0.18	0.48	-0.13	0.43	0.64	-0.01	0.09	0.24	0.02	0.29	0.56	0.65	0.22	0.02	0.55	-0.20	0.09	-0.05	0.44	-0.01	0.19	0.28	0.59	0.06	-0.20	0.58	-0.21	0.50	0.51	0.93	0.13						
0.12	0.41	-0.10	-0.10	0.30	0.49	-0.04	0.71	0.29	-0.06	0.57	0.22	0.29	0.75	-0.56	-0.41	-0.04	0.21	0.13	-0.07	0.75	0.56	0.07	0.21	0.59	0.47	0.04	-0.37	0.24	0.84	-0.05	0.34	-0.21	-0.16	-0.30	0.52	-0.10					
-0.04	-0.05	0.24	0.08	-0.10	0.45	0.35	0.23	0.41	0.00	-0.31	0.11	0.90	0.33	0.20	0.08	0.03	0.00	-0.24	-0.17	0.41	0.36	0.33	0.46	0.41	0.06	0.22	-0.09	-0.08	-0.22	0.30	0.13	0.33	-0.01	0.17	0.03	0.30	0.12	0.24			
0.05	-0.06	0.17	0.29	-0.12	0.04	0.05	0.26	0.03	-0.32	0.07	-0.06	0.42	0.38	0.04	0.27	0.29	0.45	-0.24	-0.15	0.89	0.00	0.07	0.32	0.28	-0.14	0.14	0.23	0.25	-0.15	0.05	0.56	-0.19	0.17	0.55	0.44	0.05	0.47	-0.03	0.44		
0.01	0.61	0.00	-0.27	-0.18	-0.11	0.54	0.16	0.64	0.02	-0.01	0.72	0.18	0.32	0.73	-0.55	-0.23	0.05	0.36	0.08	-0.03	0.49	0.63	-0.05	0.13	0.60	0.55	0.35	-0.27	0.39	0.62	0.03	0.10	-0.15	-0.08	-0.17	0.21	0.06	0.57	0.19		
0.21	-0.32	0.39	0.59	0.00	-0.08	-0.29	0.45	-0.30	-0.13	0.10	-0.25	0.17	0.09	-0.11	0.46	0.55	0.18	-0.11	-0.04	0.23	-0.24	-0.11	0.14	0.37	-0.21	-0.12	-0.20	0.46	-0.08	0.41	0.22	0.40	0.22	0.41	-0.20	0.23	0.16	-0.14			

Figure 6. Spearman correlation matrix for selected variables in RILB dataset.

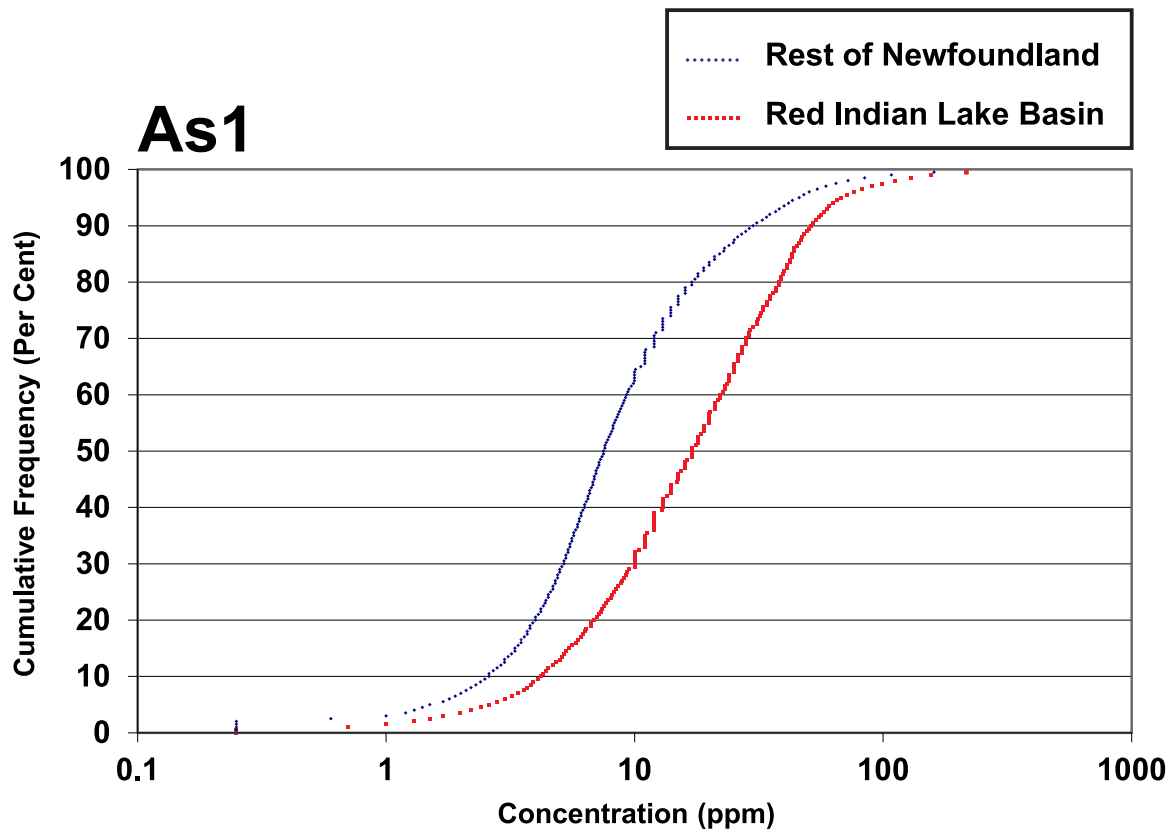


Figure 7. Cumulative-frequency graphs for As1 in the RILB and Newfoundland database.

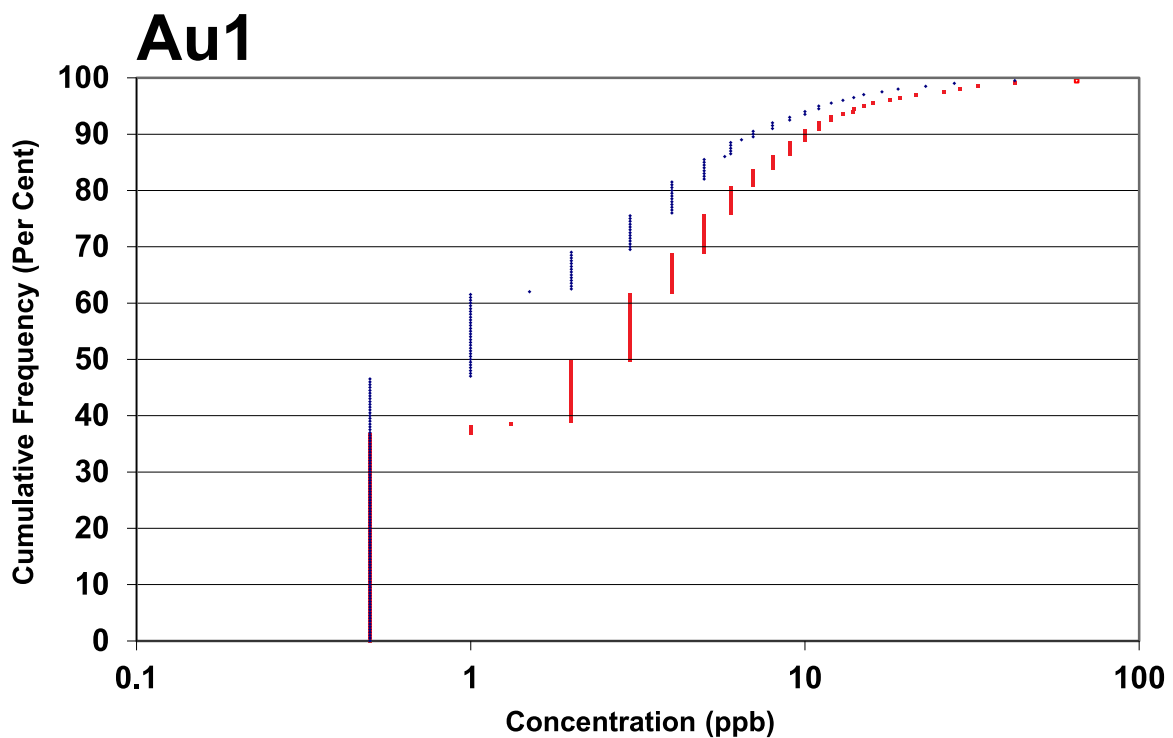


Figure 8. Cumulative-frequency graphs for Au1 in the RILB and Newfoundland database.

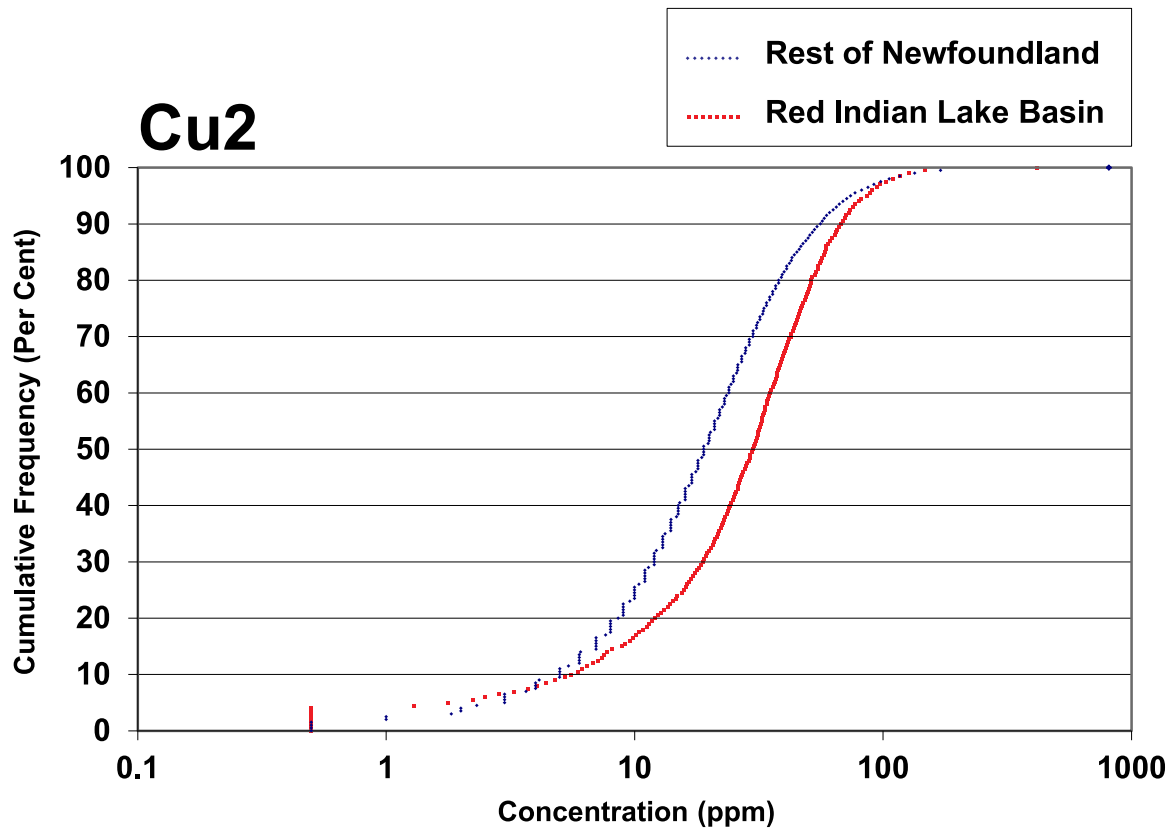


Figure 9. Cumulative-frequency graphs for Cu2 in the RILB and Newfoundland database.

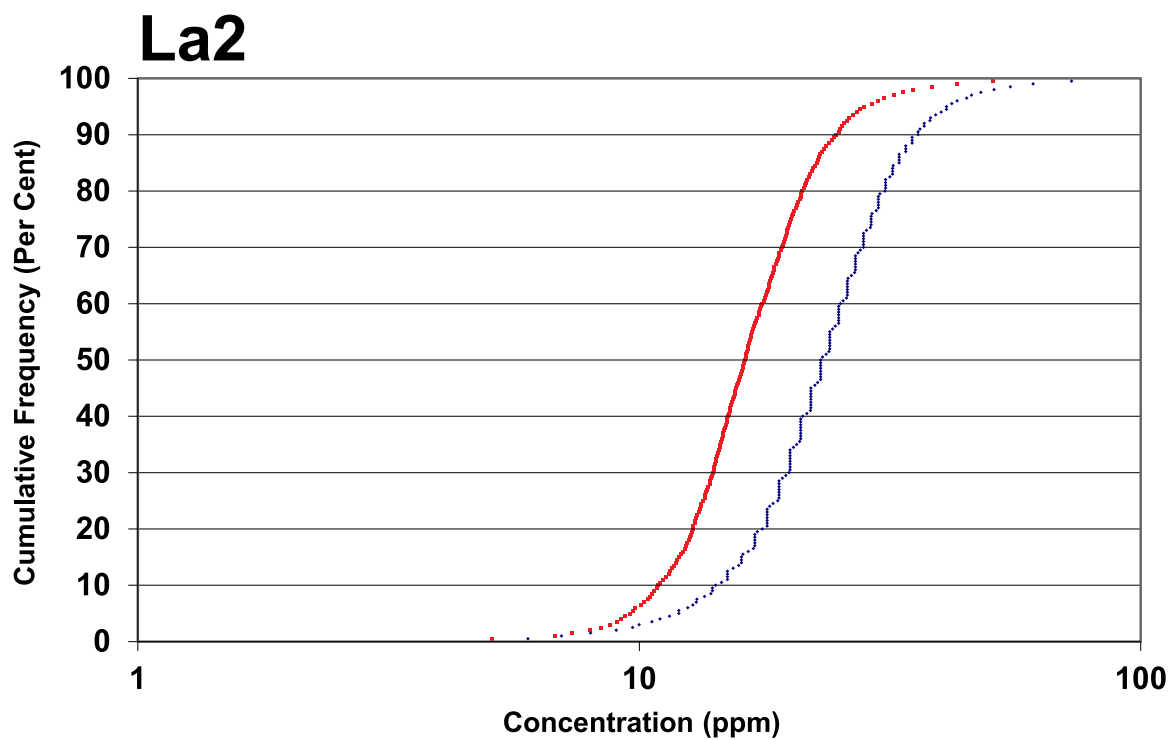


Figure 10. Cumulative-frequency graphs for La2 in the RILB and Newfoundland database.

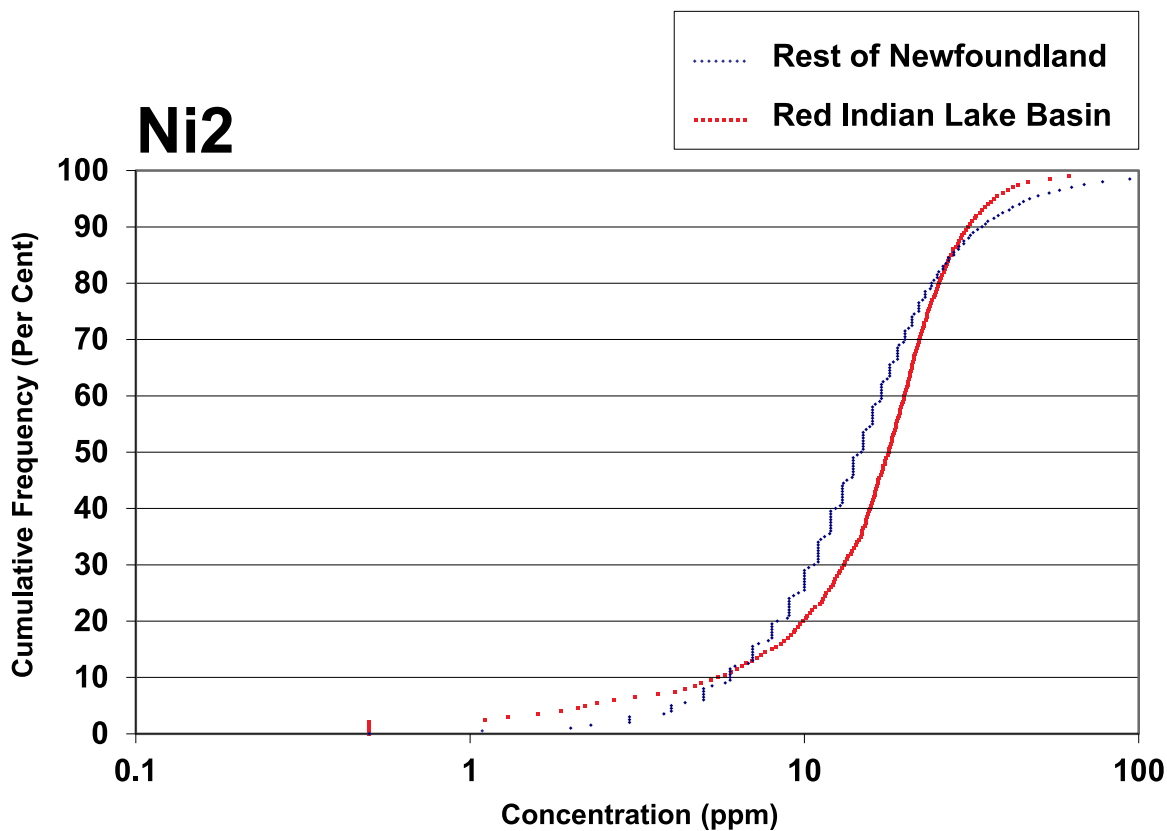


Figure 11. Cumulative-frequency graphs for Ni2 in the RILB and Newfoundland database.

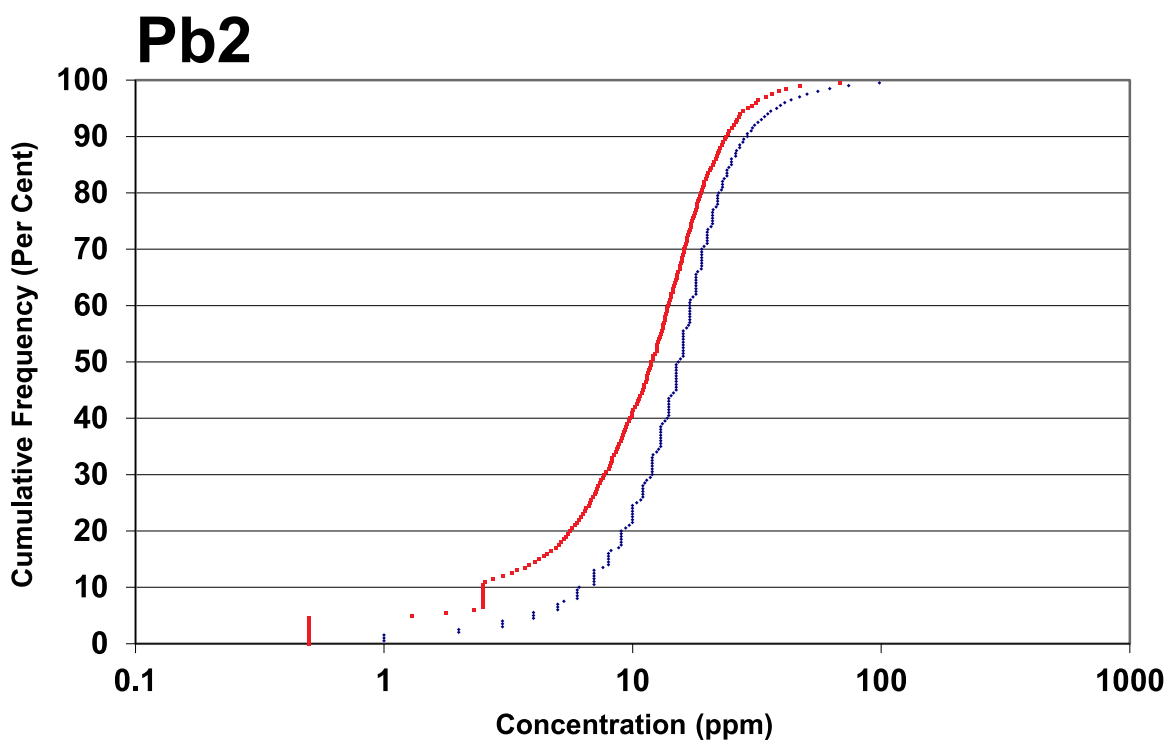


Figure 12. Cumulative-frequency graphs for Pb2 in the RILB and Newfoundland database.

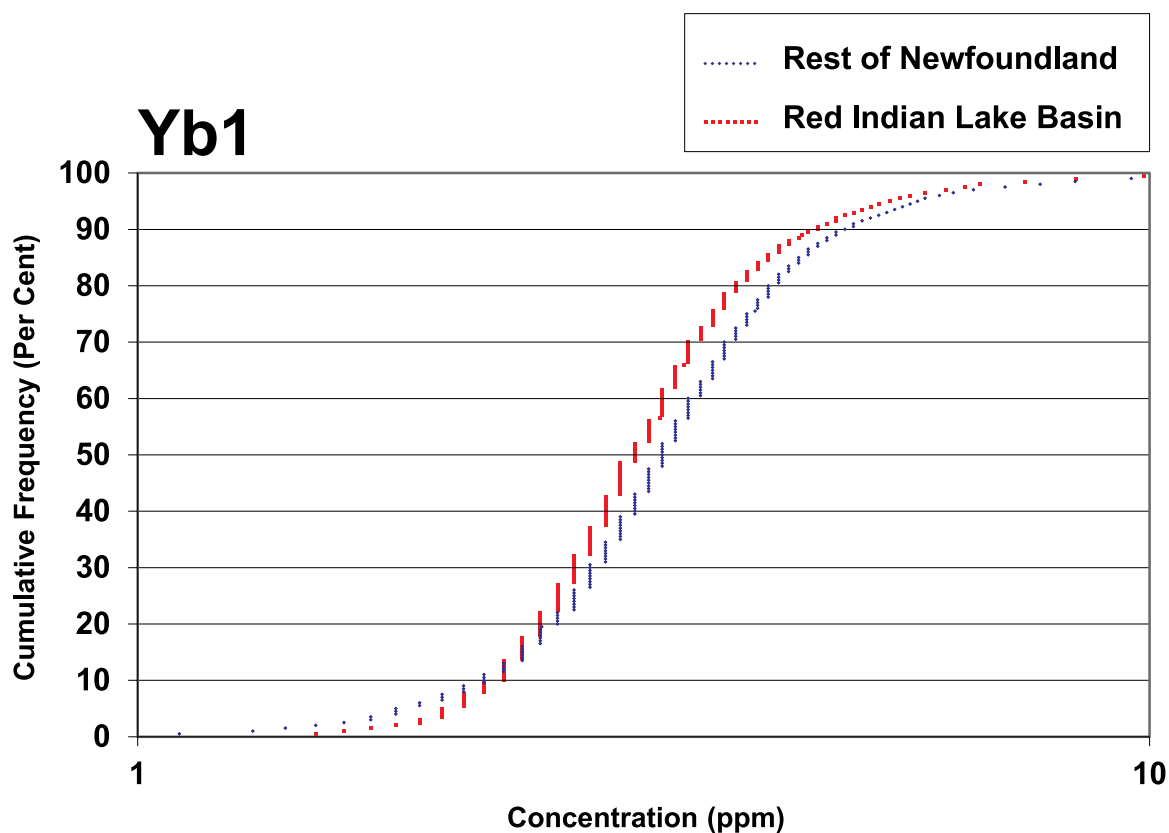


Figure 13. Cumulative-frequency graphs for Yb1 in the RILB and Newfoundland database.

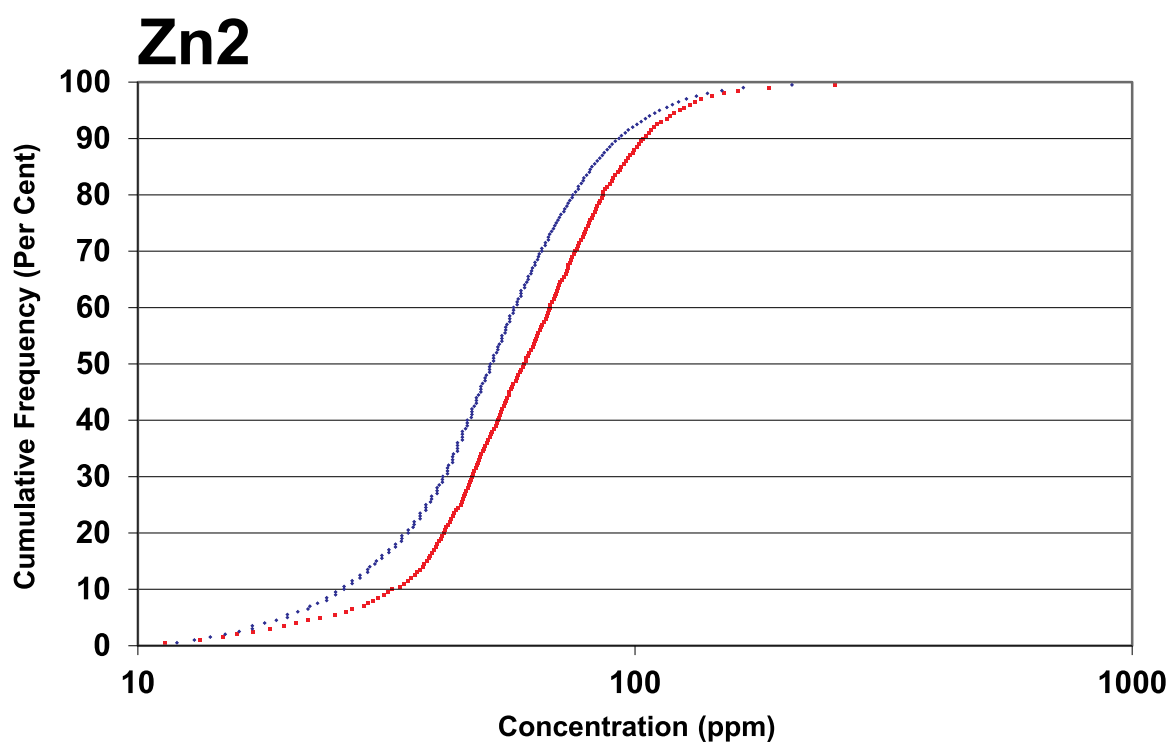


Figure 14. Cumulative-frequency graphs for Zn2 in the RILB and Newfoundland database.

Table 4. Median values of selected elements in the Red Indian Lake Basin till dataset, and the till dataset for the Island of Newfoundland (Geological Survey of Newfoundland and Labrador, 2013b)

	RILB	Newfoundland
As1 (ppm)	17	7.5
Au1 (ppb)	3	1
Cu2 (ppm)	30	19
La2 (ppm)	16	23
Ni2 (ppm)	18	15
Pb2 (ppm)	12	15
Yb1 (ppm)	3.1	3.3
Zn2 (ppm)	60	51

and ultramafic rocks; and Au and As as pathfinders for precious metal mineralization. Given the increased interest in the rare-earth elements at the time of the work (*e.g.*, Globe and Mail, March 23rd, 2010), two (La1 and Yb1) were chosen to represent the light and heavy rare-earth elements respectively. Other rare-earth elements are not discussed here, although their correlations with La1, or Yb1, or both, are generally very strong (*see* Figure 6).

Sized-dot plots of eight selected elements (As1, Au1, Cu2, La1, Ni2, Pb2, Yb1 and Zn2) are presented in Figures 15 to 22 and are described in the following subsections.

Colour dot plots of all analyzed elements, including the eight, are also included in Appendix C, with class intervals determined by Jenks' Optimization (Jenks, 1967). Individuals and companies are encouraged to undertake their own interpretation of the presented data, the following being a preliminary interpretation.

For detailed interpretations, the data are divided into a three-class system:

- 'Anomalous', comprising samples whose values exceed the 97.5-percentile of the entire 2007–2012 dataset, represented by the largest dots;
- 'Elevated', comprising samples whose values lie between the 90 and 97.5 percentiles, represented by dots of intermediate size; and
- 'Background', comprising samples whose values are below the 90 percentile, represented by the smallest dots.

This three-class system has the advantage of drawing attention to spatially associated samples that have the highest values, most likely to be associated with mineralization, the presence or possible presence of which is the focus of this study. However, a genetic connection between 'anomalous' and 'elevated' values, defined in this way, and the presence of mineralization-related dispersion, does not necessarily exist.

To provide context for the anomalies identified in the geochemical data, the locations of mineral occurrences are shown in Figure 2. Details of mineral occurrences are from the Geological Survey's Mineral Occurrence Data System (MODS) database accessible through the Geological Survey's Geoscience Atlas (Geological Survey of Newfoundland and Labrador, 2013a). The bedrock geological map on which the data are plotted is a generalized stratigraphic compilation (Crisby-Whittle, 2012).

Table 5 lists the highest values of the eight selected elements, the samples for which they were reported, and the samples' coordinates and locations.

Table 5. Highest values for selected elements

	Highest value(s)	Sample number(s)	UTM Easting(s) (Zone 21, NAD1927)	UTM Northing(s) (Zone 21, NAD1927)	NTS Map Area	Location(s)	Underlying Bedrock Geology
As1 (ppm)	9750	08-5146	520136	5366248	12A/07	Northeast of Lake of the Woods	Marine mafic volcanics (Victoria Lake Supergroup)
Au1 (ppb)	785 549	07-8075 07-8543	463416 479735	5359128 5363244	12A/06 12A/06	Southeast of Lloyd Lake Northwestern shore of Victoria Lake	Annieopsquotch Ophiolite Complex Marine intermediate volcanics (Victoria Lake Supergroup)
Cu2 (ppm)	419 287	08-5894 07-8075	497103 463416	5353506 5359128	12A/06 12A/06	Southeast of Valentine Lake Southeast of Lloyd Lake	Snowshoe Pond Granite Annieopsquotch Ophiolite Complex
La2 (ppm)	122 113	10-5524 10-5541	513197 524250	5418944 5423316	12A/15 12A/15	East of Hinds Lake Northeast quadrant of 12A/15	Topsails Igneous Suite Topsails Igneous Suite
Ni2 (ppm)	1432	08-5894	497103	5353506	12A/06	Southeast of Valentine Lake	Snowshoe Pond Granite
Pb2 (ppm)	1479	08-5146	520136	5366248	12A/07	Northeast of Lake of the Woods	Marine mafic volcanics (Victoria Lake Supergroup)
Yb2 (ppm)	32.0 20.0	10-5541 10-5528	524250 520844	5423316 5419095	12A/15 12A/15	Northeast quadrant of 12A/15 Centre of 12A/15	Topsails Igneous Suite Topsails Igneous Suite
Zn2 (ppm)	1410	07-8177	472189	5362758	12A/06	2 km southwest of Domino, Hurricane and Boomerang prospects	Marine felsic volcanics (Victoria Lake Supergroup)

ARSENIC (As1)

Arsenic values are shown in Figure 15 and the highest As1 value in the RILB dataset, 9750 ppm, was reported for the same sample that returned the highest Pb2 value (1479 ppm), collected about 10 km south of the Lemarchant VMS Zn prospect and 12 km west of the South Quinn Lake Au prospect. Significant accumulations of anomalous and elevated As1 values are located at the following locations (*see* Figure 15):

1. Southwest of the Domino, Hurricane and Boomerang VMS deposits (NTS map area 12A/06); the samples show anomalous and elevated As1 values, which is consistent with the ice-movement direction as indicated by striation measurements. Striation measurements show that ice flow moved northeast to southwest over the deposits. Similar, although less focussed, features are displayed by Cu2 (*see* Figure 17), Pb2 (*see* Figure 20) and Zn2 (*see* Figure 21).
2. East of Victoria Lake and southwest of the Long Lake Zn deposit and forming an arc around the south of the Valentine Lake Au deposit (NTS map area 12A/06); striation directions indicate that the concentration of anomalous and elevated samples (*see* above) may be derived from the former deposit, or both of them. Many of the samples are anomalous or elevated in Au1 (although the response is less focused than that of As1) and Ni2, but there is insignificant response in Pb2 and Zn2. The underlying geology consists of siliciclastic black shale (of the Victoria Lake supergroup), assigned to the Lake of the Woods Member (van Staal *et al.*, 2005).
3. In the north of NTS map area 12A/06, extending northeastward from the Hoff's Pond Au prospect to Red Indian Lake. The As1 feature derived from Hoff's Pond Au prospect is consistent with striation directions that indicate a northeastward ice-flow direction, opposite to that observed in the southwest of the study area.
4. Extending for about 12 km in an east-northeastward direction from the northwestern corner of NTS map area 12A/09 and northeastern corner of NTS 12A/10. Striation directions suggest dispersion from a point source within either of these two map areas, or the two map areas to the north (NTS 12A/15, 16). The underlying bedrock geology is a marine siliciclastic sandstone of the Victoria Lake supergroup, and a contorted unit of black shale (the Lawrence Harbour Formation; Rogers *et al.*, 2005) also constitutes a potential source. There are also strong responses of Au1, Cu2, Pb2 and Zn2. There are several Cu and Zn occurrences in the vicinity but none presents a likely source for the anomalous and elevated As in the till samples.
5. Six anomalous or elevated samples, forming a linear anomaly in the southwest of NTS map area 12A/10, between Quinn and Barren Lakes. Responses for Au1, Cu2, Pb2 and Zn2 are also moderate to strong. Although striation azimuth measurements are inconsistent, there are no known mineralized occurrences to account for this linear anomaly, which is underlain by a variety of rock types of the Victoria Lake supergroup, including black shale of the Lawrence Harbour Formation (Rogers *et al.*, 2005).

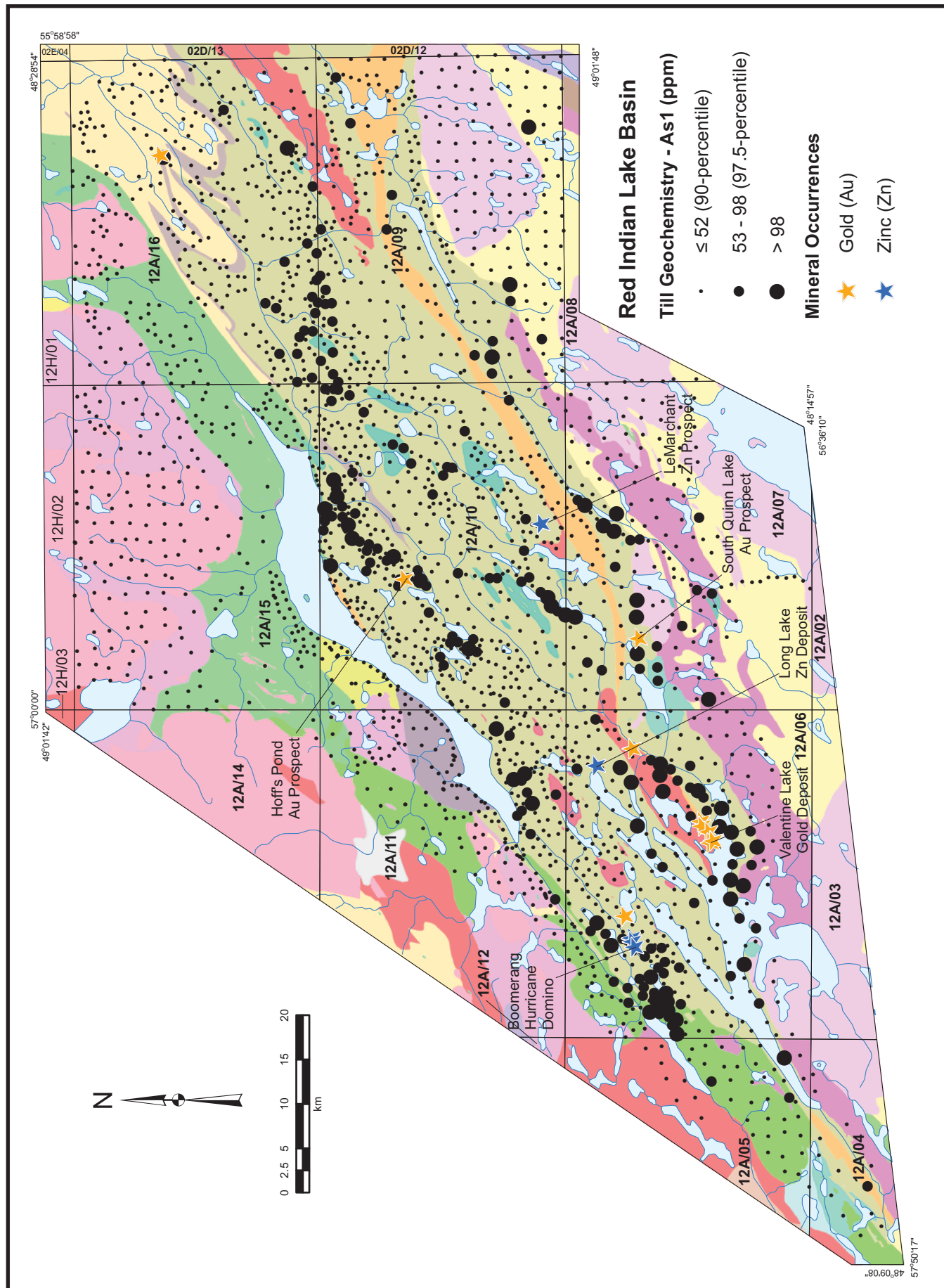


Figure 15. Distribution of arsenic (As1) in till.

GOLD (Au1)

Most of the samples that are anomalous or elevated in Au1 are concentrated in the southwest, and were sampled between 2007 and 2012, especially in NTS map area 12A/06 (Figure 16). Anomalous and elevated Au1 values are interspersed with background values to a greater extent than that displayed by other elements although they provide some support for the presence of anomalies in the latter. Examples include the Cu2–Zn2–As1 anomaly southwest of the Domino, Hurricane and Boomerang VMS deposits, and the Cu2–Pb2–Zn2–As1 anomaly east-northeast of the northwestern corner of NTS map area 12A/09 and northeastern corner of NTS 12A/10 (*see above*).

COPPER (Cu2)

Anomalous and elevated values of Cu2, as defined above, are associated with several of the As1 anomalies described above (Figure 15). In addition, the following Cu2 anomalies are present (Figure 17):

1. Anomalous and elevated Cu2 values are found down ice from Tulks East, Tulks Hill and Tulks West deposits and are consistent with a southwest glacial ice flow dispersion pattern (Smith, 2008) which straddle the boundary between NTS map areas 12A/06 and 11. This area of anomalous and elevated values is also defined by Pb2 and Zn2, but not by As1 or Au1.
2. Four anomalous and one elevated value are disposed along the southern shore of the southwestern half of Long Lake (NTS map area 12A/06), over marine felsic volcanic rocks of the Victoria Lake super-group; some of these samples are also anomalous or elevated in Zn2.
3. As expressed by anomalous and elevated Cu2 values, the anomaly defined by As1 Au1, Pb2 and Zn2, extending northeastward from the intersection of NTS map areas 12A/09, 10, 15 and 16, also extends to the southwest as far as the centre of NTS 12A/10.

LANTHANUM (La2)

Most concentrations of anomalous and elevated values of La2 are associated with the occurrence of felsic intrusive rocks (Figure 18): the Topsails granite in the north (NTS map area 12A/15); the Snowshoe Pond granite in the south (NTS 12A/07); the Overflow Pond granite in the east (NTS 12A/09) and various smaller intrusions such as the Roebucks Brook intrusions in the southwest (NTS 12A/06 and 11).

NICKEL (Ni2)

The most conspicuous concentration of anomalous and elevated Ni2 values is present southwest of Red Indian Lake in NTS map area 12A/06 and 11 (Figure 19); the samples are underlain by mafic intrusive rocks of the Annieopsquotch ophiolite complex. A few of the samples are also anomalous or elevated in Cu2 (Figure 17). Other concentrations of anomalous and elevated Ni2 values, south of the southeastern arm of Victoria Lake, occur in a feature primarily defined by As1 (*see above*). They are also present within the bounds of the anomaly defined by Cu2 (Point 3) that trends northeastward through the

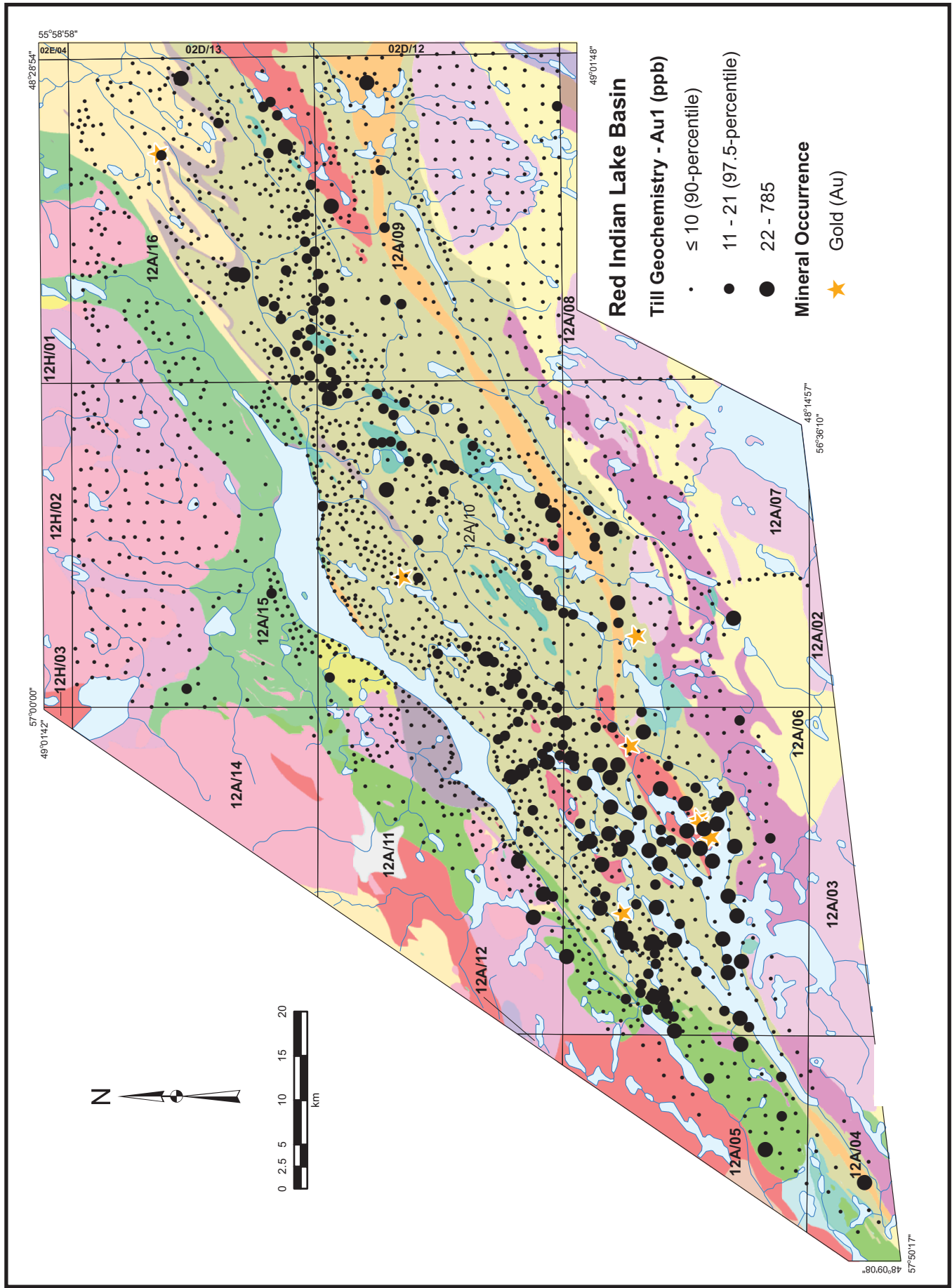


Figure 16. Distribution of gold (Au1) in till.

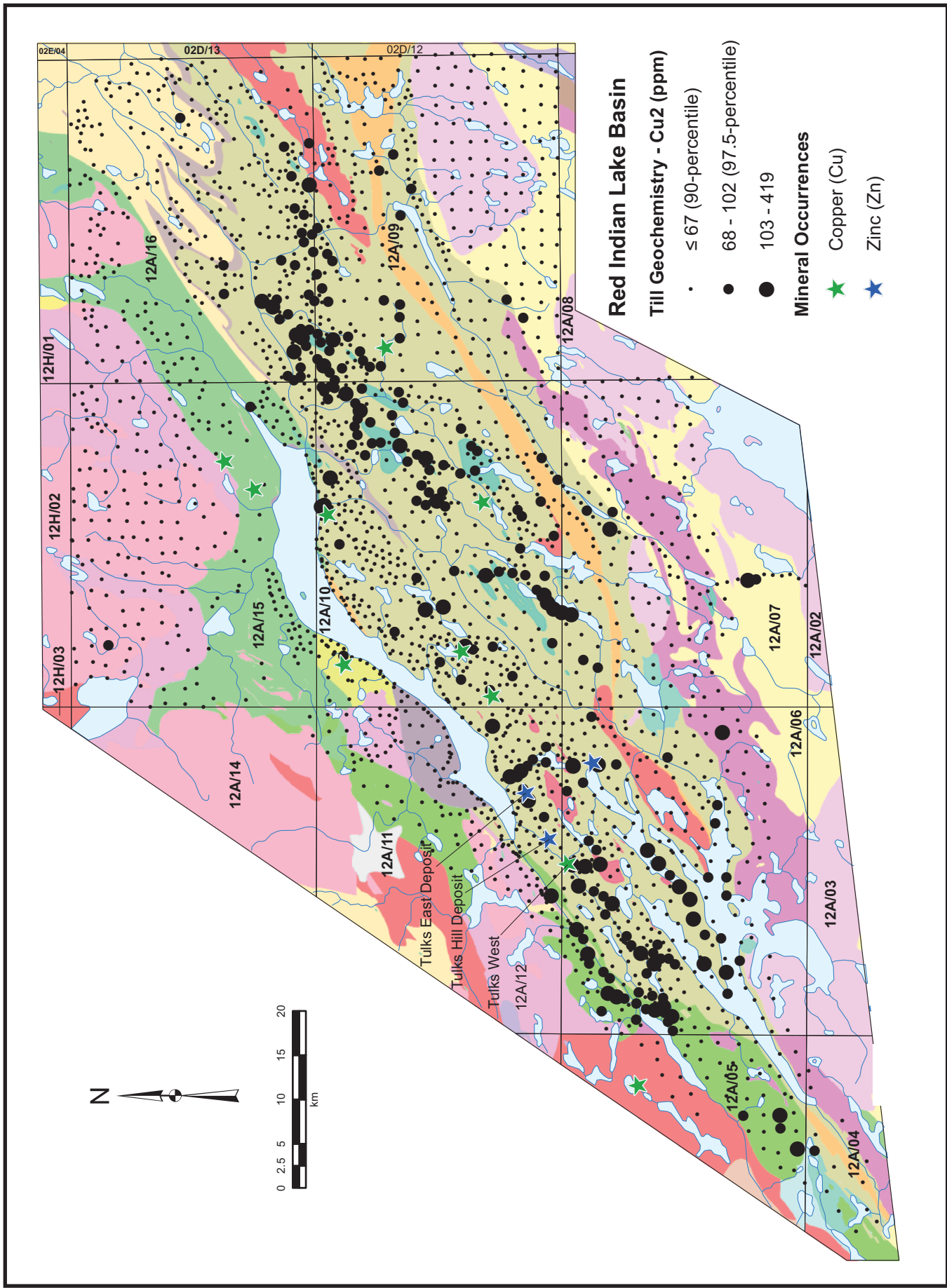


Figure 17. Distribution of copper (Cu₂) in till. Tulks East and Tulks Hill deposits are denoted as zinc deposits in the MODS database but contain significant copper values and as a result are grouped with Tulks West Deposit as the potential source of anomalous and elevated copper values found southwest of these deposits.

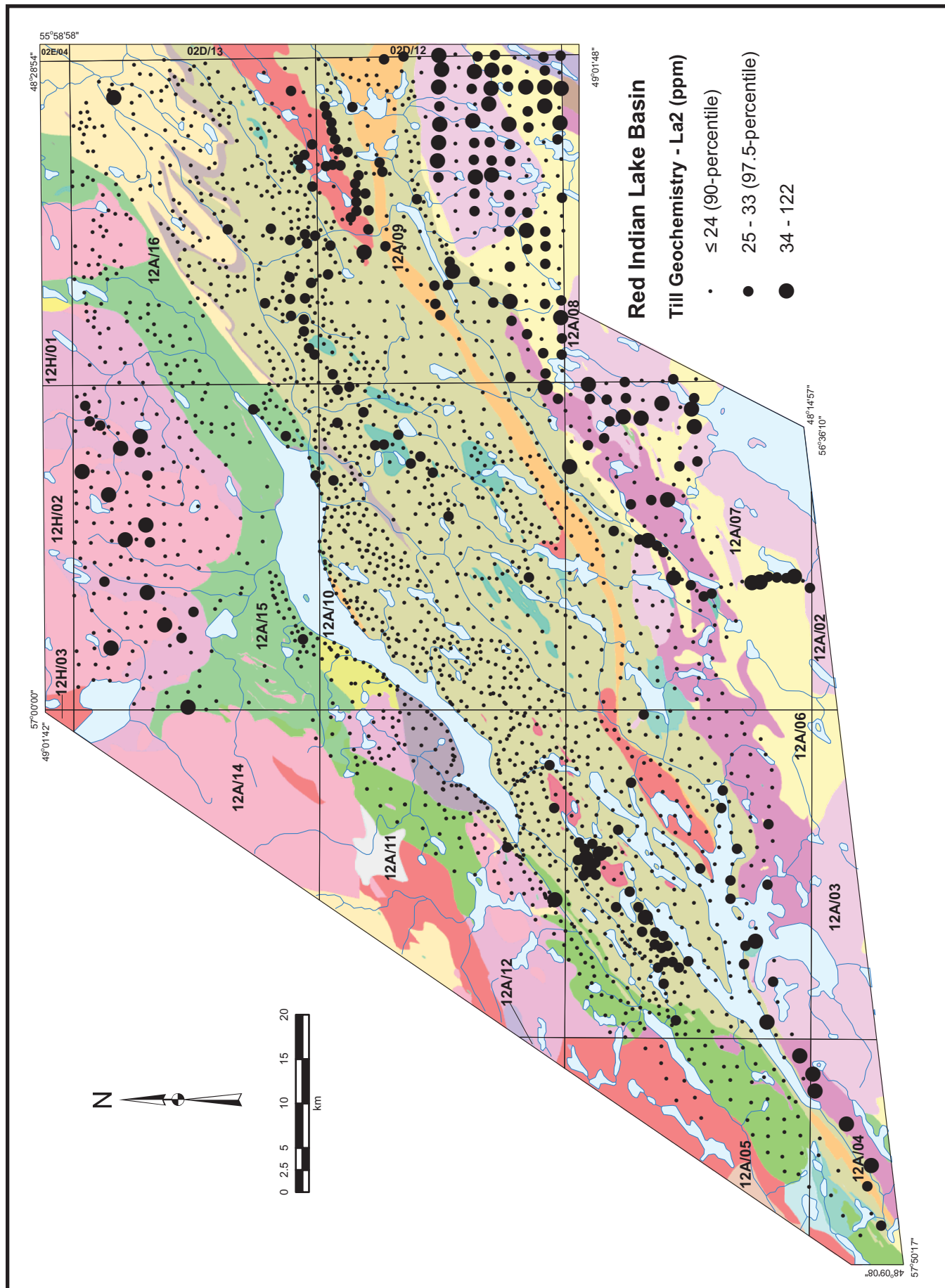


Figure 18. *Distribution of lanthanum (La2) in till.*

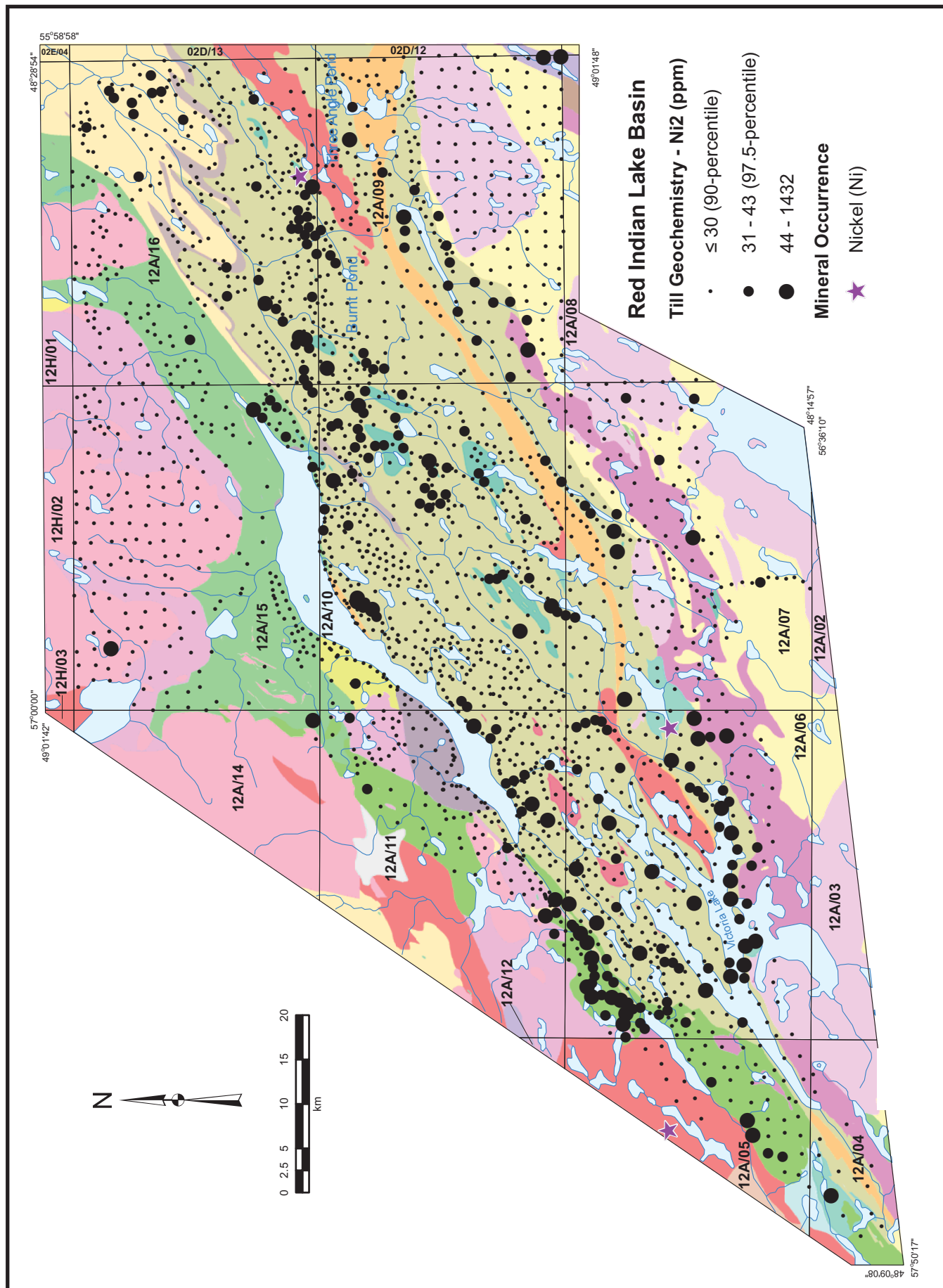


Figure 19. *Distribution of nickel (Ni₂) in till.*

intersection of NTS map areas 12A/09, 10, 15 and 16, and on the southern boundary of NTS 12A/16, west of Three Angle Pond. Striation directions suggest this last feature to be derived from a point source in the vicinity of Burnt Pond, underlain by marine mafic and felsic volcanic rocks of the Victoria Lake supergroup.

LEAD (Pb2)

As well as spatial associations with anomalies of As1, Au1 and Cu2 (and the mineralization they are believed to be derived from) described previously, Pb2 shows a zone of enrichment over the margins of the Overflow Pond granite in the east, in NTS map area 12A/09, although not over the latter's core, or any other granitic intrusions (Figure 20). This annular feature is also displayed by Yb1, but not by La2.

At the northern edge of NTS map area 12A/06 and adjacent part of NTS 12A/11, Pb2 anomalies are consistent with glacial dispersion to the southwest from the Tulks West Cu and Tulks Hill Zn prospects, the Tulks East Zn prospect and the Long Lake deposit, as indicated by striation directions (Figure 20).

YTTERBIUM (Yb1)

Compared to La2, Yb1 (Figure 21) shows a much stronger response, and stronger contrasts with the surrounding supracrustal rocks, over both the Overflow Pond and Topsails granites). In the former case, the anomalous values are concentrated around the margins of the intrusion but not at its core; a feature also displayed by Pb2 (Figure 20). The Yb1 value of 32 ppm reported for sample 10-5541, collected over the Topsails granite, exceeds (by more than 50%) the highest value of this element previously reported for Newfoundland.

There is also an anomalous and elevated Yb1 response over the Snowshoe Pond granite (NTS map area 12A/07), slightly weaker than the corresponding response for La2. Anomalous and elevated Yb1 values are also less numerous than those of La2 over the smaller intrusions (*e.g.*, the Roebucks Brook intrusions) and their adjacent country rocks.

ZINC (Zn2)

The distribution of Zn2 is less focused than that of the other chalcophile elements, and the small concentrations of anomalous and elevated values are too numerous to describe individually. Zinc is present in the element association of a number of anomalies described above, including the glacial dispersion pattern from the Domino, Hurricane and Boomerang deposits in NTS map area 12A/06 (Figure 22).

IMPLICATIONS FOR MINERAL EXPLORATION

Comparison of the RILB till geochemical data to data for all of Newfoundland shows higher values for As, Au and Cu, and markedly lower values for La in the RILB. Variations in local background should, therefore, be taken into account when assessing the degree of anomaly of till analyses, whether collected in the RILB or anywhere else on the Island.

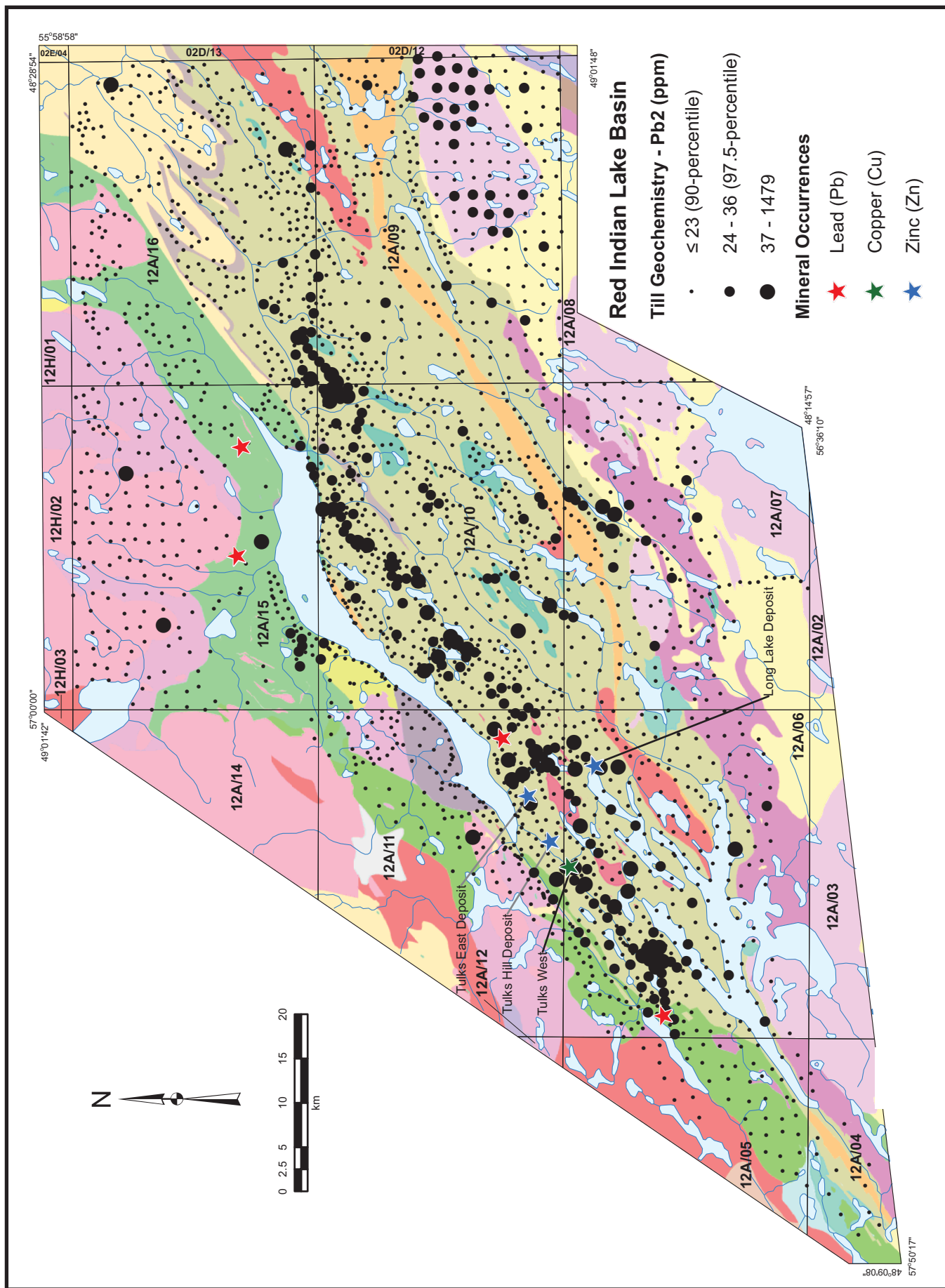


Figure 20. *Distribution of lead (Pb₂) in till.*

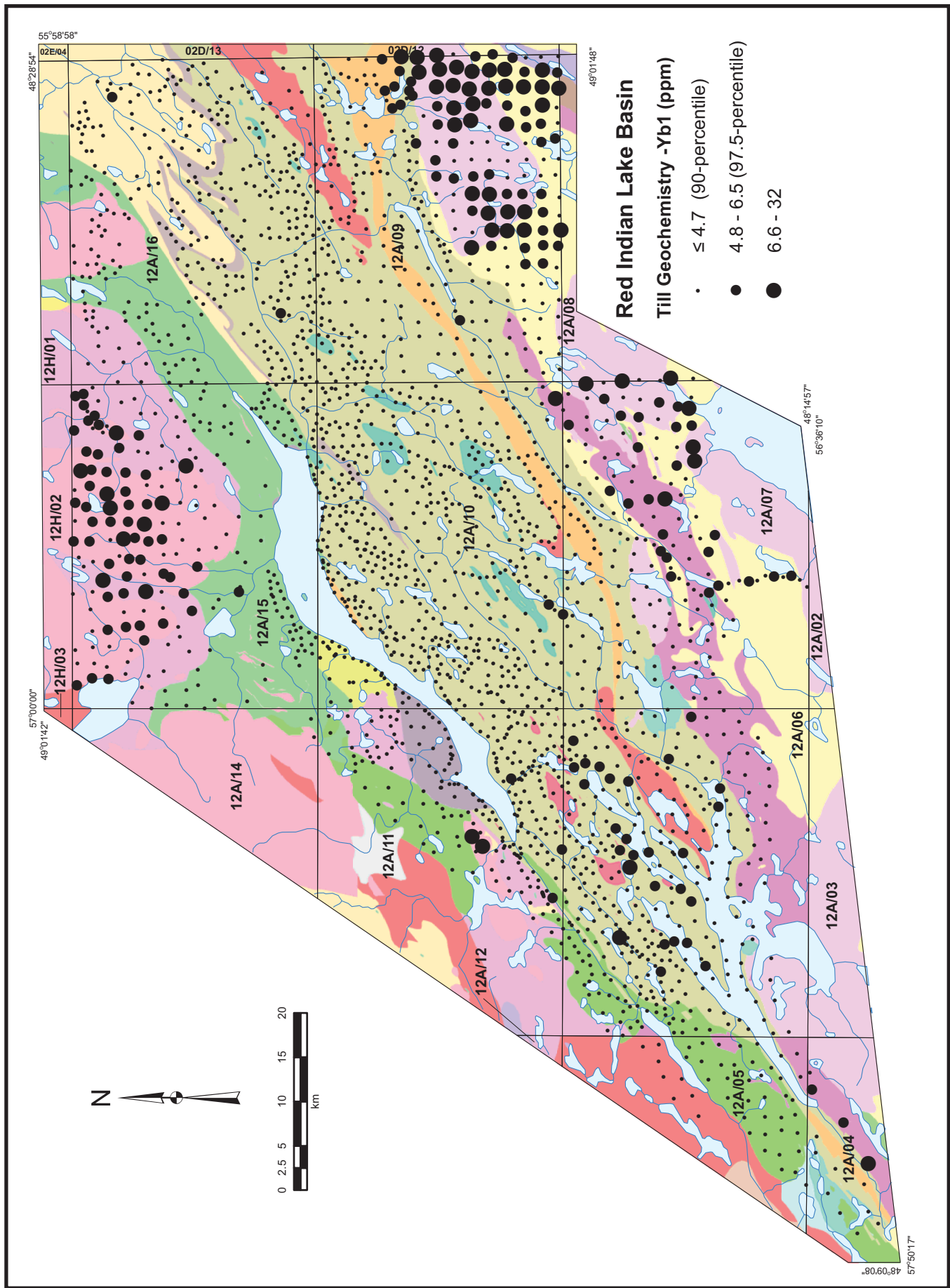


Figure 21. *Distribution of ytterbium (Yb1) in till.*

Interpretations of till-geochemical data should take into consideration a comprehensive knowledge of the ice-flow history, the type of ice retreat and the resulting till morphology to aid in the development of the following strategies for mineral exploration within the RILB:

1. Care must be taken when interpreting the direction of mineralized dispersal trains. This is because the area has a complex ice-flow history reflecting fluctuations in ice flow during the last glacial advance and retreat.
2. The sampling of till morphologies which has a higher silt content typically provides results that allow geochemical anomalies to be more easily identified. Three till morphology types are noted here:
 - i) Areas of thin till veneer, with local boulders, are the most favourable for conducting drift-prospecting studies because the till is locally derived and deposited during an ice-flow event. Till veneer has a high to moderate sample medium effectiveness (Campbell *et al.*, 2010); this is because in areas of till veneer there is often a direct relationship between the till produced from ice scouring and the direction of the last ice-flow event that allows for geochemical anomalies to be more accurately sourced.
 - ii) Areas of thick till, such as till blankets, are also suitable for sampling, but it is important to remember that the till may be the result of changes in ice dynamics and ice-flow direction, and material available for collection at the present-day surface may not necessarily reflect the composition of local bedrock. Sampling medium effectiveness is moderate to high depending on thickness of the till blanket (Campbell *et al.*, 2010). Geochemical and textural samples, collected at regular intervals throughout a section of thicker till will help determine if there are multiple till units in the section.

Multiple samples through 7 m of till were collected southwest of Red Indian Lake and will be the focus of a future report. It is important to note that areas of thick till have been identified in the eastern part of the study area, however only one till unit has been identified through the sampling of surface samples. Further investigation of stratigraphy in the eastern part of the study area may reveal multiple till units.
 - iii) In the absence of till veneer, a hummocky terrain is suitable for sampling; however, the sampling medium effectiveness is low to moderate and as a result hummocky terrain is considered less suitable for drift prospecting than till veneer (Campbell *et al.*, 2010). Hummocky terrains deposited under stagnating ice, commonly contain a high proportion of exotic or far-travelled material. In addition, due to the winnowing effects of meltwater, sediments forming hummocky terrain tend to contain less fine material (*i.e.*, they are sandier, and less silty) and tend to be better sorted than till found in the same area. In conducting regional sampling programs where this type of hummocky terrain is extensive, the best sampling strategy is to sample between the hummocks and excluding kettles and other poorly drained areas (Campbell *et al.*, 2010).
3. Glaciolacustrine sediments or those sediments modified by glaciolacustrine processes should not be sampled for a till-geochemical sampling program. Glaciolacustrine deposits tend to be restricted in areal extent and may not be represented on a 1:50 000-scale surficial map. Within areas iden-

tified as covered by glacial Lake Shanadithit, it is important to consider the maximum elevation at which the glaciolacustrine sediments are potentially located. Recognition of glaciolacustrine sediments is crucial because they were either deposited or modified by water, and are not reflective of ice transport.

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APPENDIX A

ANALYTICAL METHODS

Inductively Coupled Plasma–Optical Emission Spectrometry (ICP- OES)

For the ICP-OES analyses, the procedures outlined by Finch (1998) were followed. One gram of sample is weighed into a 125 ml Teflon beaker, and 15 ml HF (~48%), 5 ml of concentrated HCl, 5 ml of concentrated HNO₃ and 2.5 ml of 70% HClO₄ are added to each sample. The samples are placed on a hotplate at 200°C and evaporated to dryness, after which 5 ml concentrated HCl and 45 ml deionized water are added, and the solution returned to the hotplate at 100°C. When the residue is completely dissolved, the samples are removed, cooled and transferred to 50 ml volumetric flasks. One ml of 50 g/l boric acid is added to each sample to remove any residual HF. Finally, the samples are made up to a volume of 50 ml with 10% HCl and mixed (Lichte *et al.*, 1987). For most minerals, dissolution is total; exceptions are chromite, barite and zircon. Analytical accuracy are judged from the results for reference materials (Table A1).

The following elements were determined by ICP-OES; they are designated by the suffix “2”: aluminum (Al2), arsenic (As2), barium (Ba2), beryllium (Be2), calcium (Ca2), cadmium (Cd2), cerium (Ce2), cobalt (Co2), chromium (Cr2), copper (Cu2), dysprosium (Dy2), iron (Fe2), potassium (K2), lanthanum (La2), lithium (Li2), magnesium (Mg2), manganese (Mn2), molybdenum (Mo2), sodium (Na2), niobium (Nb2), nickel (Ni2), phosphorus (P2), lead (Pb2), rubidium (Rb2), scandium (Sc2), strontium (Sr2), titanium (Ti2), vanadium (V2), yttrium (Y2), zinc (Zn2) and zirconium (Zr2).

Silver (Ag) is also analyzed by ICP-OES; however, the preparation is slightly different because Ag may precipitate out in the HCl–HClO₄ solution. This preparation method is denoted by the suffix “6”. Half a gram of each sample was added to a 25 ml test tube; 2 ml of concentrated HNO₃ was added and the samples left in the fume-hood overnight. The test tube was placed in a 90°C water bath and shaken thrice over a two hour period. Once removed from the bath the samples were made up to a volume of 50 ml with deionized water and mixed with a vortex shaker.

Instrumental Neutron Activation Analysis (INAA)

Samples collected in 2007 were analyzed by Activation Laboratories of Ancaster, Ontario (Smith *et al.*, 2009), and those collected subsequently were analyzed at Becquerel Laboratories, Mississauga, Ontario. Procedures from the two laboratories are the same and are presented below, and it is acknowledged that levelling issues are possible. About 24 g of sample was used for the analysis and the samples (with a blind duplicate and control reference standard, both inserted at a frequency of one in 20) were weighed and encapsulated in the Geological Survey’s Geochemical Laboratory in St. John’s. Samples were irradiated at the external laboratory with flux wires and an internal standard (1 per 11 samples) at a thermal neutron flux of 7×10^{11} n/cm²s. After 7 days (to allow Na²⁴ to decay), samples were counted on a high purity Ge detector that has a resolution of better than 1.7 KeV. Using the flux wires, the decay-corrected activities were compared to a calibration developed from multiple certified international reference materials.

Table A1. Accuracy of till-geochemical data using ICP-OES (2009, 2010, 2011, 2012 data only; *see* Open File 12A/1449 (Smith *et al.*, 2009) for accuracy of 2007 and 2008 till geochemical data). Results of analyses of CANMET reference samples TILL-1 to -4. Observed values (Obs) are compared against recommended values (Rec). Recommended values are from Lynch (1996). Negative values indicate below detection limit

		Till-1		Till-2		Till-3		Till-4	
		Obs	Rec	Obs	Rec	Obs	Rec	Obs	Rec
		(n=25)	(n=16)	(n=10)	(n=16)	(n=23)	(n=16)	(n=22)	(n=17)
Al	pct	6.52	7.3	7.33	8.5	6.01	6.5	7.08	7.6
As	ppm	16		25		80		104	
Ba	ppm	678	702	540	540	490	489	385	396
Be	ppm	1.5	2.4	3.2	4.0	1.2	2.0	2.9	3.7
Ca	pct	1.78	1.9	0.89	0.9	1.82	1.9	0.87	0.9
Cd	ppm	0.1		0.3		0.1		0.3	
Ce	ppm	68.9	71	86.4	98	43.1	42	68.2	78
Co	ppm	15.8	18	18.2	15	12.5	15	7.7	8
Cr	ppm	47	65	58	74	89	123	35	53
Cu	ppm	39.6	47	141.7	150	18.9	22	223.8	237
Dy	ppm	3.4		3.2		1.6		2.2	
Fe	pct	4.63	4.8	3.91	3.8	2.82	2.8	4.00	4.0
K	pct	1.71	1.8	2.49	2.6	1.87	2.0	2.51	2.7
La	ppm	25.3	28	36.5	44	19.3	21	35.1	41
Li	ppm	15.5	15	46.0	74	21.5	21	28.8	30
Mg	pct	1.19	1.3	1.08	1.1	1.00	1.0	0.72	0.8
Mn	ppm	1347	1420	778	780	499	520	487	490
Mo	ppm	-1.0	2.0	12.7	14.0	-1.0	2.0	14.7	16.0
Na	pct	1.91	2.0	1.55	1.6	1.89	2.0	1.72	1.8
Nb	ppm	9.4	10	13.8	20	6.1	7	12.8	15.0
Ni	ppm	21.1	24	27.7	32	37.2	39	16.1	17
P	ppm	896	930	734	750	485	490	870	880
Pb	ppm	14.4	22	22.4	31	20.3	26	46.0	50
Rb	ppm	43		154		49		138	
Sc	ppm	14.3	13	12.8	12	10.8	10	11.4	10
Sr	ppm	307	291	159	144	333	300	128	109
Ti	ppm	4775	5990	4518	5300	2770	2910	4403	4840
V	ppm	91.2	99	79.3	77	59.5	62	64	67
Y	ppm	21.5	38	17	40	10.4	17	12.5	33
Zn	ppm	87	98	115	130	50.6	56	66.9	70
Zr	ppm	79	502	80	390	67	390	71	385

Note: ppm = parts per million, pct = percent

Elemental concentrations were determined for the following elements; they are designated by the number “1” after each element in GSNL databases: arsenic (As1), gold (Au1), barium (Ba1), bromine (Br1), cerium (Ce1), cobalt (Co1), chromium (Cr1), cesium (Cs1), europium (Eu1), iron (Fe1), hafnium (Hf1), lanthanum (La1), lutetium (Lu1), molybdenum (Mo1), sodium (Na1), rubidium (Rb1), antimony (Sb1), scandium (Sc1), selenium (Se1), samarium (Sm1), tantalum (Ta1), terbium (Tb1), thorium (Th1), uranium (U1), tungsten (W1), ytterbium (Yb1) and zirconium (Zr1).

QUALITY ASSURANCE

Data quality was monitored using laboratory duplicates and standard reference materials. Estimates of accuracy are provided by the results from the standard reference materials analyzed with the routine samples (Tables A1 and A2). These data show that for all elements except Zr2, data are acceptable and meet the needs of the survey. In any case, for mineral-exploration purposes only relative variations of an element are of primary concern, provided that any inaccuracy is consistent and that a sufficient number of analyses exceed the analytical detection limit.

Table A3 lists Pearson correlation coefficients between all field and analytical duplicates. This parameter was chosen in preference to the Spearman ranked correlation coefficient because of the strong likelihood that the ranks of the duplicates making up each pair would be identical for the latter parameter, resulting in frequent “perfect” (1.0) correlation coefficients and making them difficult to compare with one another.

The correlation coefficients, thus calculated, can be used to reduce the size of the dataset for presentation and subsequent statistical analysis. Of the 47 elements determined, 12 were determined by both ICP-OES and INAA (As, Ba, Ce, Co, Cr, Fe, La, Mo, Na, Rb, Sc and Zr). Where analyses of the same element are available by two methods, analyses by the better-quality method, as measured by the strength of the correlation between laboratory and field duplicates are selected. Results from both field and analytical duplicates are in agreement in the case of Co (Co2 selected), Fe (Fe2), La (La1), Mo (Mo1), Na (Na2), Rb (Rb1) and Zr (Zr2). In the case of As, Ba and Cr, there is disagreement between field and analytical duplicates as to which is the better method. In these cases, the method that provided better correlation in the field duplicates (which are, after all, a measure of combined analytical imprecision and the natural inhomogeneity of the sample medium), was selected; this was INAA, in all three cases (As1, Ba1 and Cr1).

All analyses are in the data listing in Appendix B. A summary of laboratory duplicate and control data is included in this report, and detailed data are available on request.

Table A2. Accuracy of till-geochemical data using INAA (2009, 2010, 2011, 2012 data only; *see* Open File 12A/1449 (Smith *et al.*, 2009) for accuracy of 2007 and 2008 till geochemical data). Results of analyses of CANMET reference samples TILL-1 to -4. Observed values (Obs) are compared against recommended values (Rec). Recommended values are from Lynch (1996). Negative values indicate below detection limit

		Till-1		Till-2		Till-3		Till-4	
		Obs	Rec	Obs	Rec	Obs	Rec	Obs	Rec
		(n=25)		(n=9)		(n=23)		(n=23)	
As1	ppm	17.8	18.0	25.3	26.0	87.6	87.0	111.6	111.0
Au1	ppb	13.4	13.0	0.3	2.0	7.0	6.0	5.0	5.0
Ba1	ppm	709.2	702.0	520.0	540.0	490.4	489.0	380.0	395.0
Br1	ppm	6.2	6.4	12.3	12.2	4.0	4.5	7.7	8.6
Ce1	ppm	76.0	71.0	107.7	98.0	43.1	42.0	85.5	78.0
Co1	ppm	18.3	18.0	14.9	15.0	14.5	15.0	7.7	8.0
Cr1	ppm	63.2	65.0	80.6	74.0	122.2	123.0	50.4	53.0
Cs1	ppm	1.0	1.0	11.8	12.0	2.0	1.7	13.0	12.0
Eu1	ppm	1.5	1.3	0.9	1.0	0.6	0.5	1.2	0.5
Fe1	pct	4.9	4.8	3.9	3.8	2.8	2.8	4.0	4.0
Hf1	ppm	13.6	13.0	10.6	11.0	6.3	8.0	11.7	10.0
La1	ppm	28.4	28.0	46.8	44.0	19.8	21.0	42.9	41.0
Lu1	ppm	0.6	0.6	0.5	0.6	0.2	<0.5	0.5	0.5
Mo1	ppm	0.5	<5	13.9	14.0	0.5	<5	16.6	16.0
Na1	pct	2.1	2.0	1.7	1.6	2.0	2.0	1.8	1.8
Rb1	ppm	43.6	44.0	143.3	143.0	56.2	55.0	167.0	161.0
Sb1	ppm	7.7	7.8	0.8	0.8	0.8	0.9	0.9	1.0
Sc1	ppm	14.6	13.0	13.0	12.0	10.3	10.0	11.2	10.0
Se1	ppm	0.5		0.5		0.5		0.5	
Sm1	ppm	6.3	5.9	7.6	7.4	3.6	3.3	6.6	6.1
Ta1	ppm	0.8	0.7	1.9	1.9	0.5	<0.5	1.6	1.6
Tb1	ppm	1.0	1.1	1.2	1.2	0.0	<0.5	1.0	1.1
Th1	ppm	5.7	5.6	18.0	18.4	4.8	4.6	17.2	17.4
U1	ppm	2.0	2.2	5.5	5.7	2.0	2.1	4.8	5.0
W1	ppm	0.6	<4	4.8	<2	0.6	<4	193.7	204.0
Yb1	ppm	3.7	3.9	3.2	3.7	1.3	1.5	2.9	3.4
Zr1	ppm	431.7		292.0		150.0		302.0	

Note: ppm = parts per million, parts per billion, pct = percent

Table A3. Pearson correlation coefficients of field and laboratory duplicate samples collected in 2009, 2010, 2011 and 2012; *see* Open File 12A/1449 (Smith *et al.*, 2009) for 2007 and 2008 samples. Decisions on which analytical approach is appropriate for those elements analyzed by more than one method are based on these correlations

Element	Pearson Correlation Coefficient		Choice based on Field Duplicates	Choice based on Lab Duplicates
	Field (N=66)	Lab (N=69)		
Al2_pct	0.92	1		
As1_ppm	0.97	0.99	As1	As2
As2_ppm	0.74	1		
Au1_ppb	0.76	0.16		
Ba1_ppm	0.94	0.98	Ba1	Ba2
Ba2_ppm	0.87	1		
Be2_ppm	0.97	1		
Br1_ppm	0.91	1		
Ca2_pct	0.94	1		
Cd2_ppm	0.96	0.97		
Ce1_ppm	0.87	0.99	Ce2	Ce1
Ce2_ppm	0.93	0.99		
Co1_ppm	0.94	0.95	Co2	Co2
Co2_ppm	0.95	1		
Cr1_ppm	1	0.95	Cr1	Cr2
Cr2_ppm	0.97	1		
Cs1_ppm	0.94	0.98		
Cu2_ppm	0.93	1		
Dy2_ppm	0.98	1		
Eu1_ppm	0.34	0.57		
Fe1_pct	0.83	1		
Fe2_pct	0.87	1	Fe2	Fe2
Hf1_ppm	0.88	0.99		
K2_pct	0.94	1		
La1_ppm	0.9	0.99	La1	La1
La2_ppm	0.84	0.97		
Li2_ppm	0.93	1		
Lu1_ppm	0.98	0.96		
Mg2_pct	0.99	1		
Mn2_ppm	0.96	1		
Mo1_ppm	0.15	0.99	Mo1	Mo1
Mo2_ppm	0.1	0.98		
Na1_pct	0.91	0.95		
Na2_pct	0.94	1	Na2	Na2
Nb2_ppm	0.92	0.99		
Ni2_ppm	0.99	1		
P2_ppm	0.93	1		
Pb2_ppm	0.93	0.99		
Rb1_ppm	0.95	0.98	Rb1	Rb1
Rb2_ppm	0.86	0.98		
Sb1_ppm	0.97	0.99		
Sc1_ppm	0.96	0.98		
Sc2_ppm	0.97	1		
Sm1_ppm	0.95	1		
Sr2_ppm	0.83	1		
Ta1_ppm	0.91	0.97		
Tb1_ppm	0.98	0.97		
Th1_ppm	0.84	1		
Ti2_ppm	0.97	0.99		
U1_ppm	0.91	0.99		
V2_ppm	0.97	1		
W1_ppm	0.31	1		
Y2_ppm	0.99	1		
Yb1_ppm	0.98	0.97		
Zn2_ppm	0.95	1		
Zr1_ppm	0.68	0.57		
Zr2_ppm	0.9	0.99	Zr2	Zr2

Note: ppm = parts per million, ppb = parts per billion, pct = percent

APPENDIX B

Red Indian Lake Till-Geochemistry Data

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
8000	07-8000	12A/11	499866	5383789	21	C	35	-99.00	199	0.05	4.47	10.9	11	0.5	330	276	0.61	5.6	1.17	0.05	45	41.5	9	13.2	92	58	0.5	34.0	2.17	0.7	2.9	3.04
8001	07-8001	12A/11	498867	5382969	21	C	35	-99.00	185	0.05	5.57	13.4	12	5	320	314	0.57	2.6	0.87	0.12	33	23.0	11	15.4	79	49	0.5	20.2	1.69	0.7	3.4	3.41
8002	07-8002	12A/11	4982041	5382049	21	C	35	-99.00	200	0.05	5.54	31.1	27	0.5	360	306	0.65	2.6	0.93	0.16	56	43.8	18	21.5	143	102	0.5	64.3	2.27	0.9	4.3	4.27
8003	07-8003	12A/11	497441	5381063	21	C	35	-99.00	201	0.05	5.46	10.9	11	0.5	360	346	0.79	2.6	1.04	0.05	39	31.8	13	16.3	78	56	0.5	27.3	2.31	0.9	3.1	3.41
8004	07-8004	12A/11	496828	5380188	21	C	35	-99.00	209	0.05	5.19	16.8	16	0.5	370	309	0.62	0.25	1.35	0.16	47	30.6	17	19.8	118	76	0.5	37.3	3.33	1.1	3.9	3.95
8005	07-8005	12A/11	496401	5379087	21	C	40	-99.00	235	0.05	5.22	27.7	26	19	360	303	0.68	2.6	1.04	0.33	52	38.4	16	18.8	76	58	0.5	63.5	2.78	0.9	4.0	4.14
8006	07-8006	12A/11	499140	5379563	21	C	35	-99.00	270	0.05	4.90	37.8	35	0.5	220	297	0.59	0.25	0.76	0.20	41	30.4	14	16.0	42	34	0.5	49.6	2.39	1.0	4.1	4.22
8007	07-8007	12A/11	497862	5379547	21	C	35	-99.00	264	0.20	5.26	160.0	162	0.5	410	351	0.83	9.2	0.84	0.39	52	37.5	34	13.3	55	52	3.0	115.3	2.95	1.2	5.1	5.45
8008	07-8008	12A/11	495499	5378654	21	C	30	-99.00	239	0.05	5.49	22.7	21	0.5	380	246	0.57	24.4	0.76	0.29	36	27.3	12	14.9	73	52	0.5	27.8	1.79	1.1	3.9	3.99
8009	07-8009	12A/11	494963	5379522	21	C	30	-99.00	215	0.05	5.22	15.1	14	0.5	240	296	0.60	0.25	1.05	0.13	46	30.6	12	13.9	74	50	2.0	24.2	2.25	0.8	3.2	3.33
8010	07-8010	12A/11	493961	5379283	21	C	35	-99.00	249	0.05	5.62	22.0	20	0.5	290	260	0.58	13.2	1.11	0.35	49	37.2	15	16.8	106	68	0.5	46.6	2.95	0.9	4.0	3.91
8012	07-8012	12A/11	492888	5379071	21	C	35	-99.00	250	0.05	5.28	11.4	11	0.5	400	347	1.00	2.9	1.12	0.11	42	36.5	11	14.7	81	48	2.0	25.3	2.71	0.7	3.2	3.43
8013	07-8013	12A/11	491774	5378434	21	C	35	-99.00	211	0.05	5.67	22.9	22	0.5	350	285	0.56	4.0	1.03	0.23	43	34.1	16	19.3	114	77	0.5	43.3	2.24	1.1	4.2	4.29
8014	07-8014	12A/11	490634	5377789	21	C	35	-99.00	179	0.05	5.18	47.5	43	0.5	25	304	0.57	0.25	2.02	0.55	46	29.8	19	21.4	88	62	0.5	46.7	2.94	1.1	4.3	4.25
8015	07-8015	12A/11	489309	5377310	21	C	35	-99.00	183	0.05	5.38	30.7	28	0.5	330	330	0.73	0.25	1.12	0.17	53	36.1	13	15.8	88	52	2.0	37.2	3.36	1.1	3.9	3.79
8016	07-8016	12A/11	488089	5377174	21	C	30	-99.00	175	0.05	5.17	67.8	64	0.5	330	309	0.67	2.6	0.88	0.18	46	39.8	15	17.9	63	45	0.5	49.6	2.64	0.9	3.7	3.87
8017	07-8017	12A/11	487061	5376365	21	C	30	-99.00	193	0.05	5.38	20.2	19	0.5	330	325	0.76	0.25	1.03	0.15	48	39.4	12	16.0	60	48	0.5	37.0	3.53	1.3	3.7	3.74
8018	07-8018	12A/11	486141	5376832	21	C	35	-99.00	186	0.05	5.35	15.8	15	0.5	350	323	0.83	2.8	0.92	0.20	51	41.8	13	15.2	73	45	0.5	37.4	2.57	1.1	3.6	3.46
8019	07-8019	12A/11	484227	5376526	21	C	35	-99.00	200	0.05	5.05	14.1	13	0.5	280	235	0.55	2.4	0.97	0.25	57	39.1	11	13.8	68	42	0.5	35.3	2.80	1.3	3.3	3.14
8020	07-8020	12A/11	483632	5377193	21	C	35	-99.00	235	0.10	5.16	31.1	30	8	430	369	0.83	14.3	1.01	0.26	55	36.2	13	15.2	80	50	0.5	31.0	3.61	1.3	3.7	3.71
8021	07-8021	12A/11	485981	5375660	21	C	30	-99.00	239	0.05	4.98	53.8	52	13	340	325	0.68	3.1	0.76	0.05	43	36.2	13	16.3	55	39	0.5	41.1	2.63	1.1	3.5	3.58
8022	07-8022	12A/11	485457	5374842	21	C	30	-99.00	239	0.05	5.28	43.7	41	0.5	310	257	0.67	7.3	0.75	0.17	50	36.4	15	17.8	61	40	0.5	39.3	2.07	0.8	3.2	3.17
8023	07-8023	12A/11	484600	5374129	21	C	35	-99.00	247	0.05	4.16	28.6	26	5	220	239	0.58	7.6	1.01	0.16	41	31.4	13	14.8	45	32	0.5	25.9	2.15	0.8	2.6	2.86
8024	07-8024	12A/11	483754	5373468	21	C	35	-99.00	256	0.05	4.53	26.0	25	0.5	25	262	0.52	6.7	0.91	0.16	36	31.3	12	14.4	53	34	0.5	39.6	2.26	0.8	3.0	3.00
8025	07-8025	12A/11	482950	5372811	21	C	30	-99.00	280	0.05	4.62	33.8	32	6	330	301	0.55	2.6	0.94	0.28	39	31.6	13	15.6	50	35	2.0	39.9	2.49	0.9	3.4	3.51
8026	07-8026	12A/06	482079	5371617	21	C	45	-99.00	239	0.05	5.28	51.2	47	6	390	379	0.91	2.5	0.87	0.37	57	47.6	16	18.7	72	43	0.5	65.0	3.23	1.3	4.1	4.33
8027	07-8027	12A/06	480780	5370492	21	C	25	-99.00	235	0.05	4.84	31.9	31	6	350	295	0.68	4.4	1.01	0.29	44	37.4	13	15.8	50	36	0.5	48.7	2.32	0.8	3.3	3.59
8028	07-8028	12A/06	479785	5369804	21	C	30	-99.00	238	0.05	4.91	37.8	35	0.5	350	269	0.64	7.5	0.79	0.53	45	38.4	18	20.2	59	39	0.5	102.3	2.24	0.9	4.3	4.29
8029	07-8029	12A/06	478887	5369118	21	C	35	-99.00	244	0.05	5.08	31.1	31	0.5	310	280	0.61	4.9	0.77	0.35	42	35.9	15	18.8	46	34	2.0	64.0	1.80	0.8	3.7	3.77
8030	07-8030	12A/06	478109	5368299	21	C	30	-99.00	259	0.05	5.39	25.8	22	7	330	322	0.81	4.0	0.94	0.39	71	53.2	15	19.5	95	52	0.5	47.5	3.54	1.2	4.6	4.42
8031	07-8031	12A/06	477302	5367549	21	C	30	-99.00	264	0.05	5.74	24.1	20	23	420	360	0.85	2.3	0.82	0.29	59	44.0	18	19.0	75	48	0.5	51.7	3.74	1.5	4.5	4.35
8032	07-8032	12A/06	476550	5366770	21	C	30	-99.00	257	0.05	4.92	45.6	42	9	340	272	0.61	7.1	0.94	0.41	55	41.7	19	21.5	52	35	2.0	83.7	3.28	1.4	4.5	4.55
8033	07-8033	12A/11	483941	5361214	21	C	40	-99.00	238	0.05	5.13	12.0	13	0.5	280	340	0.88	0.25	1.01	0.22	55	42.1	12	14.7	67	43	0.5	29.3	3.32	1.2	3.6	3.50
8036	07-8036	12A/11	487453	5379282	21	C	40	-99.00	202	0.05	5.14	15.5	13	0.5	340	329	0.81	0.25	1.61	0.22	51	38.9	13	15.5	76	44	0.5	32.8	3.02	1.2	3.6	3.42
8037	07-8037	12A/11	486482	5378788	21	C	40	-99.00	232	0.05	5.12	12.9	12	0.5	330	328	0.79	1.6	0.70	0.05	47	36.3	13	16.1	74	47	2.0	33.0	2.04	0.9	3.8	3.81
8034	07-8034	12A/11	488983	5380508	21	C	25	-99.00	206	0.05	5.02	11.2	10	0.5	380	299	0.79	2.9	0.82	0.17	54	44.9	9	13.0	71	39	0.5	28.5	3.00	0.9	3.2	3.16
8035	07-8035	12A/11	488342	5379692	21	C	20	-99.00	204	0.05	5.75	17.2	14	0.5	400	341	0.98	0.25	0.95	0.30	66	48.0	15	17.2	77	46	0.5	41.1	3.28	1.3	4.2	4.00
8036	07-8036	12A/11	487453	5379282	21	C	45	-99.00	238	0.05	5.14	12.0	13	0.5	280	340	0.88	0.25	1.01	0.22	55	42.1	12	14.7	67	43	0.5	29.3	3.32	1.2	3.6	3.42
8037	07-8037	12A/11	486482	5378788	21	C	40	-99.00	232	0.05	5.13	15.5	13	0.5	340	329	0.81	0.25	1.61	0.22	51	38.9	13	15.5	76	44	0.5	32.8	3.02	1.2	3.6	3.50
8038	07-8038	12A/11	485436	5378529	21	C	35	-99.00	254	0.05	5.42	12.9	12	0.5	360	273	0.57	2.8	0.89	0.21	52	39.7	13	16.6	95	56	0.5	31.4	2.19	1.0	3.8	3.59
8039	07-8039	12A/11	484461	5378306	21	C	45	-99.00	274	0.05	7.06	16.3	14	0.5	580	589	1.45	0.25	1.30	0.13	69	53.3	21	20.9	81	64	3.0	38.9	3.98	1.3	5.0	4.96
8040	07-8040	12A/11	483941	5379258	21	C	25	-99.00	302	0.05	4.89	7.5	7	4	330	296	0.60	1.8	0.89	0.19	36	26.1	10	13.0	64	39	0.5	20.3	1.68	0.5	2.6	2.64
8041	0																															

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
8067	07-8067	12A/06	467632	5366483	21	C	35	-99.00	275	0.05	7.36	12.0	10	0.5	25	252	0.50	24.8	3.23	0.25	43	34.3	26	27.4	195	186	0.5	128.6	2.08	0.8	3.8	4.11
8068	07-8068	12A/06	467859	5367633	21	C	30	-99.00	305	0.05	5.27	13.5	11	0.5	25	248	0.61	11.3	2.24	0.17	43	31.7	19	22.2	90	79	0.5	60.2	2.53	0.8	3.3	3.57
8069	07-8069	12A/06	467729	5368757	21	C	35	-99.00	320	0.05	6.06	5.5	5	0.5	220	289	0.66	23.3	3.27	0.21	36	27.6	18	21.6	120	106	0.5	47.3	2.77	1.1	3.6	4.10
8070	07-8070	12A/06	468466	5363265	21	C	30	-99.00	226	0.05	5.35	44.8	43	0.5	240	291	0.68	6.1	1.51	0.31	34	35.7	18	21.5	80	67	0.5	79.6	2.46	0.8	3.6	4.13
8071	07-8071	12A/06	465868	5362190	21	C	35	-99.00	239	0.05	4.74	150.0	143	11	210	197	0.43	2.4	1.29	0.44	34	32.0	24	25.7	58	42	0.5	75.9	2.35	0.8	5.4	5.90
8072	07-8072	12A/06	465687	5361137	21	C	35	-99.00	202	0.05	5.75	65.6	65	0.5	340	272	0.54	3.2	1.44	0.53	42	42.6	26	30.2	70	63	0.5	130.5	3.49	1.0	4.4	4.82
8073	07-8073	12A/06	465441	5360082	21	C	35	-99.00	265	0.05	5.62	52.8	46	21	25	155	0.20	25.6	1.79	0.62	35	34.0	21	26.2	106	94	0.5	69.7	2.82	0.1	5.9	6.23
8074	07-8074	12A/06	463450	5358174	21	C	25	-99.00	360	0.05	5.75	49.6	46	0.5	260	283	0.60	15.8	1.53	0.33	48	49.7	18	23.3	54	46	0.5	44.4	3.33	1.1	3.8	4.11
8075	07-8075	12A/06	463416	5359128	21	C	25	-99.00	352	0.05	5.91	104.0	90	785	340	304	0.65	11.1	1.19	0.36	66	67.8	24	25.8	66	49	0.5	82.4	3.51	1.2	4.8	4.83
8076	07-8076	12A/06	464426	5359671	21	C	35	-99.00	277	0.05	5.64	75.2	71	0.5	270	289	0.52	6.7	1.33	0.37	38	40.9	19	24.2	51	46	0.5	77.0	3.37	1.0	4.3	4.75
8077	07-8077	12A/06	465033	5359230	21	C	25	-99.00	279	0.05	5.55	138.0	123	11	420	304	0.59	0.25	1.55	0.40	50	46.7	22	36.0	56	43	0.5	103.2	4.63	1.6	4.8	4.99
8078	07-8078	12A/06	466148	5360183	21	C	35	-99.00	325	0.05	5.28	240.0	234	38	25	205	0.43	5.0	1.67	0.76	50	50.5	35	38.4	40	42	0.5	119.0	4.02	1.1	5.0	5.34
8079	07-8079	12A/06	466593	5361120	21	C	35	-99.00	357	0.05	5.37	101.0	96	0.5	260	263	0.48	0.25	1.28	0.29	35	33.1	19	21.4	34	29	0.5	64.8	3.02	1.0	3.9	4.17
8080	07-8080	12A/06	468691	5362994	21	C	25	-99.00	358	0.05	4.86	69.7	60	15	25	178	0.45	17.0	1.15	0.25	37	33.6	26	26.1	37	26	0.5	44.9	2.40	1.0	4.4	4.42
8081	07-8081	12A/06	468084	5361702	21	C	30	-99.00	346	0.05	4.86	68.0	63	10	360	200	0.46	0.25	1.35	0.41	41	38.7	27	28.1	44	35	0.5	64.2	3.09	1.0	4.6	4.71
8082	07-8082	12A/06	467353	5361463	21	C	30	-99.00	348	0.05	4.65	122.0	112	65	240	189	0.44	2.4	1.34	0.49	37	38.5	24	27.1	37	27	0.5	76.7	4.29	1.4	4.8	5.25
8083	07-8083	12A/06	467765	5362992	21	C	35	-99.00	319	0.05	4.96	56.1	50	14	260	228	0.48	8.7	1.18	0.37	39	38.3	20	23.5	49	38	0.5	80.1	2.67	0.9	4.1	4.23
8084	07-8084	12A/06	467215	5362233	21	C	30	-99.00	371	0.05	4.92	34.0	31	0.5	220	172	0.36	8.2	1.24	0.27	32	30.6	17	19.6	51	38	0.5	45.3	2.35	0.9	3.3	3.47
8085	07-8085	12A/06	469150	5360616	21	C	30	-99.00	353	0.05	5.46	150.0	141	19	260	281	0.58	0.25	1.17	0.39	46	45.7	19	29.8	63	48	0.5	87.8	4.34	1.2	4.8	5.19
8086	07-8086	12A/06	468194	5363906	21	C	35	-99.00	348	0.05	5.45	45.9	44	7	290	300	0.63	3.4	1.25	0.45	54	57.4	27	22.4	41	36	0.5	66.8	4.06	1.2	4.3	4.65
8087	07-8087	12A/06	468029	5360368	21	C	35	-99.00	331	0.05	4.99	112.0	104	14	240	218	0.43	3.4	1.30	0.46	54	52.4	22	24.9	32	29	0.5	63.3	3.65	1.4	4.6	4.92
8088	07-8088	12A/06	469150	5360632	21	C	30	-99.00	353	0.05	5.57	32.3	28	0.5	510	320	0.65	6.5	1.30	0.36	53	55.8	19	21.7	42	35	0.5	55.4	3.88	1.4	4.1	4.39
8089	07-8089	12A/06	470968	5361251	21	C	30	-99.00	330	0.05	5.41	66.4	63	13	330	249	0.59	6.6	1.46	0.62	70	79.6	32	33.2	46	42	0.5	112.5	4.84	1.3	6.3	6.87
8091	07-8091	12A/06	471644	5362089	21	C	25	-99.00	360	0.05	6.10	12.9	31	0.5	350	279	0.59	19.9	1.14	0.14	46	53.3	13	17.3	42	34	0.5	44.3	3.01	1.2	3.6	4.00
8092	07-8092	12A/06	471999	5363029	21	C	25	-99.00	357	0.05	5.48	31.5	31	0.5	280	279	0.62	11.8	1.15	0.23	45	48.7	13	16.7	35	31	0.5	36.7	3.63	1.2	3.9	4.29
8093	07-8093	12A/06	472524	5363906	21	C	35	-99.00	335	0.05	5.16	38.2	38	10	380	461	0.53	11.1	0.92	0.14	38	41.1	8	12.1	35	25	0.5	44.6	2.47	1.0	4.1	4.43
8094	07-8094	12A/06	473443	5364709	21	C	30	-99.00	307	0.05	5.28	28.2	26	38	320	278	0.58	13.8	0.84	0.23	55	56.7	13	16.7	53	32	0.5	49.8	2.59	1.0	3.9	4.25
8095	07-8095	12A/06	474159	5365315	21	C	30	-99.00	276	0.05	5.85	59.8	60	12	1590	1791	0.51	6.8	0.05	0.05	37	22.2	7	7.0	2.5	3	0.5	25.8	1.46	1.3	4.4	4.95
8097	07-8097	12A/06	475022	5365247	21	C	35	-99.00	280	0.05	5.36	48.1	43	51	460	279	0.57	7.3	0.87	0.27	48	51.7	37	35.6	32	26	0.5	57.5	2.29	1.0	5.5	6.02
8098	07-8098	12A/11	496737	5378319	21	C	30	-99.00	260	0.05	4.97	18.3	18	0.5	25	195	0.48	7.1	0.86	0.27	37	39.7	10	13.3	33	25	0.5	34.3	2.59	1.0	2.9	3.22
8100	07-8100	12A/11	497733	5377836	21	C	25	-99.00	296	0.05	5.44	31.4	30	8	330	290	0.53	3.5	0.63	0.18	35	36.8	20	12.2	59	43	0.5	43.3	2.81	1.0	3.7	3.93
8101	07-8101	12A/11	498370	5376838	21	C	25	-99.00	290	0.05	4.96	12.2	11	12	140	246	0.39	15.7	0.76	0.05	28	23.6	5	8.6	46	32	0.5	10.3	1.33	0.8	2.3	2.46
8102	07-8102	12A/11	499324	5376379	21	C	30	-99.00	274	0.10	5.22	28.0	28	0.5	260	304	0.51	0.25	0.66	0.48	31	31.0	13	15.2	33	24	0.5	41.7	2.15	0.8	3.7	3.99
8103	07-8103	12A/10	500271	5375714	21	C	30	-99.00	311	0.05	5.27	31.4	29	12	430	322	0.55	2.3	0.55	0.35	36	33.3	20	12.3	41	34	0.5	64.5	2.76	1.2	3.9	4.26
8104	07-8104	12A/10	501543	5376341	21	C	25	-99.00	333	0.05	5.09	21.5	19	18	260	266	0.44	3.8	0.71	0.25	35	32.6	12	13.1	40	32	0.5	31.3	2.17	0.8	3.3	3.50
8105	07-8105	12A/10	502467	5376990	21	C	25	-99.00	341	0.20	5.33	33.0	30	0.5	280	321	0.40	18.1	0.42	0.44	31	32.4	17	19.5	31	27	0.5	49.6	1.53	0.7	3.8	4.25
8106	07-8106	12A/10	503479	5377272	21	C	30	-99.00	324	0.30	6.10	31.4	28	30	330	321	0.60	28.0	0.43	0.42	35	27.3	17	20.5	45	37	0.5	81.3	2.57	1.0	4.3	4.68
8107	07-8107	12A/10	504196	5377881	21	C	25	-99.00	310	0.05	5.37	34.7	29	0.5	300	255	0.41	13.5	0.51	0.39	35	31.2	15	17.1	36	28	0.5	53.0	1.77	0.8	4.1	4.15
8108	07-8108	12A/11	492107	5377562	21	C	25	-99.00	249	0.30	5.48	231.0	205	43	25	307	0.76	10.6	0.71	0.98	54	54.5	41	41.2	71	52	0.5	125.3	4.56	1.2	8.0	8.36
8109	07-8109	12A/11	492745	5376328	21	C	30	-99.00	323	0.30	5.66	144.0	129	33	320	328	0.74	16.6	0.64	0.88	61	64.8	33	35.0	61	46	0.5	107.5	3.30	1.2	6.4	6.66
8110	07-8110	12A/11	493387	5375579	21	C	30	-99.00	329	0.10	5.49	34.9	33	0.5	200	294	0.58	6.8	0.68	0.34	33	31.5	15	18.0	42	36	0.5	69.2	2.44	0.8	3.7	4.31
8111	07-8111	12A/11	494055	5374969	21	C	30	-99.00	344	0.10	5.18	39.8	39	0.5	280	307	0.51	10.5	0.64	0.36	42	39.9	15	18.4	45	37	0.5	87.9	2.27	1.0	4.0	4.33</

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
8133	07-8133	12A/11	493449	5374307	21	C	30	-99.00	356	0.05	6.09	24.9	22	0.5	350	435	0.71	0.25	0.57	0.47	34	37.4	15	17.6	46	43	0.5	56.8	2.37	1.2	4.3	4.55
8134	07-8134	12A/11	493777	5373501	21	C	35	-99.00	339	0.05	5.40	38.2	33	24	390	385	0.76	0.25	0.66	0.46	47	50.0	25	27.4	43	41	0.5	73.8	2.84	1.6	5.4	5.72
8135	07-8135	12A/11	493079	5372715	21	C	30	-99.00	350	0.05	5.26	17.4	18	7	470	381	0.65	0.25	0.75	0.43	42	47.5	19	21.2	63	58	0.5	52.0	1.68	1.5	4.3	4.65
8136	07-8136	12A/11	492230	5372195	21	C	25	-99.00	390	0.05	5.78	34.0	32	10	370	288	0.53	0.31	0.69	0.37	27	32.1	15	18.2	65	64	0.5	41.5	1.82	1.1	4.0	4.39
8137	07-8137	12A/11	491238	5371796	21	C	25	-99.00	392	0.05	6.23	18.3	18	0.5	310	322	0.65	0.29	0.50	0.13	37	41.5	6	11.3	37	37	20	22.3	1.82	0.1	3.9	4.04
8138	07-8138	12A/06	490519	5371108	21	BC	25	-99.00	392	0.05	5.72	22.4	21	0.5	470	357	0.63	0.91	0.53	0.33	42	50.6	17	21.1	46	50	0.5	71.5	2.08	1.1	4.4	4.74
8139	07-8139	12A/06	489685	5370343	21	C	25	-99.00	401	0.05	5.76	25.7	23	7	440	386	0.66	0.25	0.70	0.23	60	71.8	16	20.7	46	43	0.5	34.2	2.64	1.4	4.5	4.60
8140	07-8140	12A/06	491640	5371132	21	BC	25	-99.00	360	0.05	5.68	9.4	9	0.5	340	315	0.52	5.2	0.84	0.16	35	38.1	12	15.9	43	43	0.5	31.9	2.52	1.2	3.5	3.55
8141	07-8141	12A/11	490271	5377066	21	C	35	-99.00	233	0.05	5.77	17.9	15	3	320	305	0.52	1.4	0.99	0.30	30	34.9	12	16.8	66	51	0.5	61.8	2.72	1.2	3.5	3.78
8142	07-8142	12A/11	489441	5376472	21	C	35	-99.00	248	0.05	5.08	31.2	31	0.5	340	286	0.48	0.25	1.48	0.44	26	31.6	15	18.5	59	49	2.0	39.3	3.24	1.2	3.6	4.03
8143	07-8143	12A/11	488595	5376662	21	C	35	-99.00	212	0.20	5.73	10.9	65	10	570	524	0.67	0.25	1.59	0.56	30	27.7	18	20.7	57	52	0.5	56.5	2.82	1.3	4.4	4.71
8144	07-8144	12A/11	478924	5373945	21	C	35	-99.00	329	0.05	4.45	10.3	12	24	310	265	0.52	0.25	1.05	0.24	30	35.3	7	11.9	55	36	0.5	30.1	2.71	1.0	2.4	2.65
8145	07-8145	12A/11	477940	5373419	21	C	35	-99.00	400	0.05	4.93	10.1	11	10	340	293	0.47	9.4	0.95	0.12	28	36.2	7	12.6	62	43	0.5	23.0	2.25	0.9	2.6	2.89
8146	07-8146	12A/11	477149	5372782	21	C	35	-99.00	380	0.05	5.37	18.7	16	0.5	480	383	0.72	3.4	0.99	0.36	34	40.9	16	19.2	59	44	0.5	50.7	2.56	1.0	3.6	3.87
8148	07-8148	12A/11	476169	5372224	21	C	35	-99.00	321	0.05	5.21	25.7	23	3	330	375	0.71	7.6	0.92	0.29	35	44.6	11	14.8	55	45	2.0	45.6	2.16	0.9	3.3	3.55
8149	07-8149	12A/06	475117	5371703	21	C	35	-99.00	290	0.05	5.21	18.4	17	0.5	240	319	0.78	11.2	1.30	0.22	31	38.5	14	16.8	56	48	0.5	49.9	2.27	1.0	3.2	3.38
8150	07-8150	12A/06	474131	5371005	21	C	35	-99.00	323	0.05	4.98	11.2	11	0.5	310	297	0.64	5.0	1.33	0.27	25	32.9	11	15.0	61	48	0.5	31.4	2.37	0.9	2.7	3.05
8151	07-8151	12A/06	473167	5370384	21	C	35	-99.00	344	0.05	5.36	12.0	13	0.5	360	356	0.75	2.6	1.20	0.22	33	44.2	10	15.3	61	55	0.5	40.8	2.49	0.9	3.0	3.37
8152	07-8152	12A/06	472489	5369952	21	C	35	-99.00	353	0.05	4.98	11.2	11	2	280	263	0.55	11.2	1.42	0.17	23	29.3	9	12.4	61	51	0.5	30.2	2.44	0.9	2.5	2.84
8153	07-8153	12A/06	471494	5369469	21	C	25	-99.00	381	0.05	5.36	10.4	9	0.5	260	272	0.62	10.4	1.65	0.20	25	29.2	10	13.5	79	68	0.5	36.6	2.27	1.0	2.9	3.15
8154	07-8154	12A/06	471006	5368612	21	C	35	-99.00	348	0.05	5.47	12.0	12	0.5	280	256	0.52	4.4	2.59	0.32	24	29.6	17	21.9	96	95	0.5	69.1	3.01	0.9	3.4	3.79
8155	07-8155	12A/06	472104	5368761	21	C	35	-99.00	263	0.05	6.93	22.4	13	0.5	25	294	104	18.4	2.0	0.47	62	85.5	32	35.8	128	141	2.0	160.8	3.30	1.0	4.8	5.42
8156	07-8156	12A/06	470001	5368429	21	C	35	-99.00	322	0.05	5.48	18.4	18	0.5	330	266	0.62	0.25	2.23	0.23	25	27.2	16	20.5	88	85	2.0	58.9	2.90	0.9	3.7	3.97
8157	07-8157	12A/06	469206	5368725	21	C	30	-99.00	328	0.05	5.41	7.4	7	0.5	260	251	0.57	11.2	2.32	0.27	22	23.0	14	17.2	80	80	0.5	50.9	2.32	0.8	3.0	3.24
8158	07-8158	12A/06	468781	5369279	21	C	30	-99.00	300	0.05	5.96	4.7	5	0.5	25	223	0.75	34.4	2.70	0.43	32	37.0	32	32.7	512	475	2.0	64.0	2.11	0.9	4.2	4.42
8159	07-8159	12A/06	466314	5364128	21	C	25	-99.00	229	0.05	5.72	42.4	39	0.5	440	350	0.82	7.8	1.21	0.28	34	36.9	14	17.9	66	68	0.5	41.7	2.45	1.0	3.5	3.76
8160	07-8160	12A/06	464785	5358119	21	C	30	-99.00	321	0.05	6.88	37.6	34	0.5	570	387	0.81	12.0	1.22	0.35	39	45.4	18	23.5	70	71	0.5	49.8	3.30	1.3	4.7	4.98
8161	07-8161	12A/06	471599	5360503	21	C	30	-99.00	356	0.05	5.23	56.8	53	0.5	340	277	0.62	0.25	1.24	0.86	58	71.6	24	29.6	28	32	0.5	89.1	5.47	1.8	5.3	5.80
8162	07-8162	12A/06	471579	5359596	21	C	35	-99.00	344	0.05	5.77	43.2	2	2	360	353	0.77	2.2	1.35	0.99	61	71.9	25	29.5	34	40	0.5	93.0	5.16	2.0	5.1	5.54
8163	07-8163	12A/06	470922	5358881	21	C	30	-99.00	350	0.05	5.40	54.4	51	4	410	352	0.75	3.8	1.22	0.88	53	62.5	21	26.1	37	41	0.5	85.6	5.77	1.9	6.1	6.64
8164	07-8164	12A/06	470500	5358200	21	C	35	-99.00	368	0.05	5.93	6.3	7	0.5	430	407	0.72	0.25	1.57	0.38	42	48.7	13	19.2	36	38	0.5	37.4	4.39	1.6	3.6	3.99
8165	07-8165	12A/06	472210	5361345	21	C	35	-99.00	348	0.05	5.49	49.6	45	12	300	311	0.52	4.2	1.00	0.42	38	46.5	11	17.0	27	32	0.5	95.3	3.31	1.4	5.6	6.29
8166	07-8166	12A/06	473139	5360876	21	C	35	-99.00	330	0.05	5.27	65.6	59	13	450	377	0.66	0.25	1.30	1.09	48	65.5	24	27.6	36	36	0.5	86.7	4.85	1.9	5.6	6.01
8167	07-8167	12A/06	472527	5359542	21	C	25	-99.00	347	0.05	5.61	9.6	9	9	270	354	0.61	2.2	1.49	0.21	41	50.3	12	17.9	35	36	0.5	35.3	4.67	1.6	3.9	4.22
8168	07-8168	12A/06	473374	5360197	21	C	30	-99.00	356	0.05	6.04	6.3	7	0.5	370	324	0.78	35.2	1.79	0.43	58	69.8	12	21.8	30	28	0.5	4.4	8.77	2.9	6.1	6.59
8169	07-8169	12A/06	474474	5360624	21	C	35	-99.00	372	0.05	5.76	7.9	7	0.5	430	375	0.78	4.5	1.16	0.22	60	69.5	13	17.7	32	34	0.5	37.4	4.08	1.9	3.7	3.93
8170	07-8170	12A/06	473050	5362060	21	C	35	-99.00	374	0.05	6.04	54.1	45	20	580	457	0.75	4.7	0.79	0.44	58	64.0	25	27.0	35	31	0.5	66.1	4.30	2.0	6.8	6.82
8171	07-8171	12A/06	473514	5361615	21	C	35	-99.00	387	0.05	6.00	23.0	21	29	620	568	0.89	3.1	1.18	0.33	60	60.9	20	26.1	37	42	0.5	56.4	4.71	1.9	4.4	4.82
8172	07-8172	12A/06	473932	5362429	21	C	25	-99.00	385	0.05	6.00	9.0	9	5	25	270	0.54	13.9	1.30	0.23	52	64.2	15	19.0	59	59	0.5	42.4	3.46	1.6	4.0	4.17
8173	07-8173	12A/06	474957	5363062	21	C	25	-99.00	380	0.05	5.82	12.3	12	0.5	300	320	0.62	0.25	1.40	0.29	49	57.9	16	21.0	33	35	0.5	44.9	4.41	1.6	4.0	4.22
8174	07-8174	12A/06	474886	5361554	21	C	25	-99.00	380	0.05	5.79	10.7	10	0.5	390	364	0.72	7.5	1.51	0.30	55	66.0	17	23.4	37	36	0.5	56.1	5.30	2.0	4.6	4.99
8175	07-8175	12A/06	476635	5362887	21	C	35	-99.00	418	0.05	6.59	5.3	6	0.5	410	426	0.78	20.5	1.73	0.23	52	66.6	14	18.7	38	42	0.5	33.5	4.47	1.9	4.5	4.86
8176	07-8176	12A/06	47																													

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
8199	07-8199	12A/06	484508	5366089	21	C	25	-99.00	446	0.05	6.34	13.3	10	0.5	490	395	0.72	27.9	0.72	0.21	66	68.5	10	15.2	52	46	0.5	48.4	3.28	1.1	4.1	4.30
8200	07-8200	12A/06	483960	5365270	21	C	30	-99.00	438	0.05	5.96	9.8	8	66	570	369	0.79	3.3	0.96	0.19	52	45.2	11	15.2	62	49	0.5	38.0	3.85	1.5	4.0	3.92
8201	07-8201	12A/06	485688	5366571	21	C	20	-99.00	389	0.05	5.71	12.5	12	31	25	246	0.49	10.0	1.11	0.38	46	45.5	11	16.1	66	44	0.5	49.1	3.91	1.1	4.2	4.76
8202	07-8202	12A/11	489419	5375496	21	C	35	-99.00	279	0.30	7.47	164.0	139	0.5	590	423	0.85	64.0	0.64	0.79	87	82.5	97	82.0	149	104	0.5	210.0	6.25	1.3	7.7	7.93
8203	07-8203	12A/11	488378	5375167	21	C	30	-99.00	307	0.05	5.65	39.4	38	11	560	360	0.65	0.25	1.01	0.38	38	33.9	20	18.4	75	52	2.0	59.4	3.02	1.1	4.5	4.49
8204	07-8204	12A/11	487442	5374713	21	C	35	-99.00	311	0.05	4.85	18.0	18	0.5	340	252	0.35	6.7	1.01	0.18	26	24.3	7	10.9	66	36	0.5	14.6	1.85	0.7	2.9	3.06
8205	07-8205	12A/11	487577	5373723	21	C	25	-99.00	414	0.05	5.91	34.4	34	5	280	362	0.63	5.1	0.59	0.75	36	30.1	18	19.9	67	54	0.5	94.5	2.09	1.1	4.3	4.67
8206	07-8206	12A/11	486393	5374196	21	C	26	-99.00	319	0.05	5.40	31.2	26	7	310	320	0.50	4.1	0.70	0.28	34	26.6	13	17.0	54	36	0.5	33.0	2.07	1.0	3.7	3.72
8207	07-8207	12A/11	485856	5373597	21	C	25	-99.00	373	0.05	5.36	14.3	14	0.5	340	260	0.30	23.0	0.80	0.21	30	25.1	5	8.6	52	34	0.5	16.3	1.75	0.7	2.9	2.96
8208	07-8208	12A/11	490707	5376078	21	C	30	-99.00	339	0.05	5.60	64.8	61	7	350	325	0.52	11.5	0.62	0.23	28	39.4	12	15.1	42	40	0.5	81.1	2.26	1.1	4.8	5.28
8210	07-8210	12A/11	494371	5377973	21	C	30	-99.00	259	0.05	5.66	19.7	17	0.5	350	287	0.48	1.5	0.96	0.24	26	30.9	15	19.6	75	61	0.5	31.7	2.43	0.9	3.7	3.96
8211	07-8211	12A/11	493826	5377411	21	C	25	-99.00	266	0.05	5.51	23.8	22	0.5	310	345	0.37	7.4	0.81	0.34	24	27.9	11	14.3	58	48	2.0	20.4	1.37	0.9	3.0	3.32
8212	07-8212	12A/11	498139	5375913	21	C	30	-99.00	341	0.05	5.33	14.8	11	0.5	250	284	0.41	2.5	0.69	0.28	28	33.4	8	11.5	32	30	0.5	24.9	2.02	1.2	2.8	3.06
8213	07-8213	12A/11	498355	5374959	21	C	30	-99.00	346	0.05	5.96	23.0	21	0.5	260	303	0.49	18.0	0.37	0.25	31	32.7	12	15.5	32	31	0.5	57.0	1.80	1.0	3.5	3.74
8214	07-8214	12A/11	498177	5374073	21	C	25	-99.00	318	0.05	5.46	31.2	27	0.5	280	289	0.50	4.6	0.69	0.31	35	41.7	18	22.2	42	42	0.5	55.0	2.61	1.3	4.3	4.72
8215	07-8215	12A/11	499616	5374924	21	C	30	-99.00	294	0.10	5.64	27.1	26	0.5	320	307	0.50	0.25	0.61	0.41	30	34.8	16	17.2	34	36	0.5	55.4	2.33	1.2	4.3	4.82
8216	07-8216	12A/11	500277	5374064	21	C	30	-99.00	322	0.05	5.51	26.2	23	14	310	309	0.51	0.25	0.76	0.44	36	41.1	14	16.8	49	32	0.5	48.7	3.04	1.5	4.3	4.55
8217	07-8217	12A/11	498332	5373372	21	C	30	-99.00	292	0.05	5.57	32.8	29	0.5	300	308	0.57	2.6	0.53	0.26	30	36.1	16	18.8	39	36	0.5	48.2	2.39	1.3	4.0	4.27
8218	07-8218	12A/11	498241	5372582	21	C	25	-99.00	311	0.05	5.74	13.4	13	13	360	307	0.48	7.5	0.90	0.31	39	46.7	15	18.3	45	46	0.5	39.4	3.11	1.3	4.0	4.22
8219	07-8219	12A/06	498201	5371535	21	C	25	-99.00	364	0.05	5.85	19.0	17	86	370	347	0.66	1.4	0.96	0.32	37	40.8	19	21.0	47	49	2.0	43.0	3.17	1.6	4.6	4.84
8220	07-8220	12A/06	498101	5370484	21	C	30	-99.00	311	0.05	5.79	34.0	32	0.5	280	242	0.53	10.3	1.20	0.42	37	41.2	20	26.4	55	53	0.5	58.7	3.79	1.3	5.0	5.37
8221	07-8221	12A/06	498552	5369451	21	C	30	-99.00	305	0.05	5.83	32.4	30	0.5	280	271	0.57	0.25	1.37	0.34	34	40.8	15	20.5	57	56	0.5	58.8	4.07	1.6	4.7	5.18
8222	07-8222	12A/06	498907	5368344	21	C	30	-99.00	312	0.05	6.60	65.6	57	0.5	270	247	0.59	26.1	1.79	0.57	39	44.4	46	52.1	66	69	0.5	72.8	5.79	1.5	6.1	6.59
8223	07-8223	12A/06	497784	5367038	21	C	30	-99.00	314	0.05	6.17	24.5	23	0.5	380	329	0.63	0.25	1.25	0.23	35	38.6	17	24.0	55	56	0.5	46.5	3.56	1.6	4.8	5.09
8224	07-8224	12A/06	496728	5367636	21	C	30	-99.00	313	0.05	5.98	40.3	35	0.5	390	306	0.55	2.1	1.46	0.38	35	37.5	23	28.0	55	53	2.0	64.6	4.01	1.7	5.3	5.55
8225	07-8225	12A/11	496177	5375468	21	C	25	-99.00	357	0.05	5.27	43.5	38	0.5	290	320	0.62	4.7	0.56	0.17	32	35.8	17	18.4	34	30	0.5	49.1	2.44	1.3	4.2	4.33
8226	07-8226	12A/11	495279	5374880	21	C	30	-99.00	360	0.05	6.49	19.0	16	0.5	950	946	0.99	10.3	0.25	0.05	59	67.2	14	19.2	37	36	2.0	41.2	1.82	1.3	4.8	4.93
8227	07-8227	12A/11	494006	5376525	21	C	30	-99.00	348	0.05	6.01	35.5	33	0.5	240	244	0.50	11.9	0.78	0.46	25	29.5	15	18.8	62	53	0.5	38.2	1.76	0.9	3.4	3.65
8228	07-8228	12A/11	495030	5377212	21	C	35	-99.00	318	0.05	5.39	39.6	33	0.5	350	280	0.60	12.0	0.73	0.22	31	32.0	17	18.7	49	42	0.5	47.5	2.08	1.0	3.7	3.83
8229	07-8229	12A/11	487262	5372353	21	C	30	-99.00	374	0.05	6.40	9.5	8	0.5	450	325	0.74	12.9	1.28	0.10	39	39.1	21	24.1	46	46	0.5	7.6	2.27	1.3	4.4	4.56
8230	07-8230	12A/06	486455	5371530	21	C	30	-99.00	384	0.05	6.02	14.6	13	0.5	350	443	0.85	3.4	1.07	0.05	38	46.5	14	17.3	41	42	0.5	44.8	2.64	1.5	3.7	4.00
8231	07-8231	12A/06	485629	5370990	21	C	30	-99.00	415	0.05	5.42	24.9	23	0.5	370	326	0.69	19.8	0.99	0.12	50	65.5	14	16.6	38	36	0.5	47.8	2.67	1.2	3.6	3.94
8232	07-8232	12A/06	485021	5370159	21	C	25	-99.00	382	0.05	6.27	14.6	12	0.5	450	457	1.09	13.8	1.25	0.05	33	25.1	15	17.5	31	26	0.5	42.8	1.96	0.9	3.5	3.67
8233	07-8234	12A/06	484312	5369521	21	C	30	-99.00	373	0.10	5.43	23.2	21	15	330	319	0.75	3.3	1.43	0.17	64	83.9	19	27.2	47	28	2.0	60.1	3.57	1.2	3.7	4.12
8235	07-8235	12A/10	500999	5383470	21	C	30	-99.00	248	0.05	5.15	13.8	11	0.5	220	249	0.36	5.6	1.15	0.11	27	31.6	15	19.0	103	83	0.5	36.8	2.60	1.0	4.0	4.01
8236	07-8236	12A/10	500370	5382827	21	C	25	-99.00	242	0.05	4.80	36.1	31	3	390	239	0.48	13.8	1.19	0.21	38	39.6	15	19.0	103	76	2.0	44.6	3.07	1.1	4.1	3.92
8237	07-8237	12A/10	501618	5379124	21	C	35	-99.00	353	0.10	5.10	43.9	38	6	240	225	0.49	21.5	0.63	0.28	23	25.1	15	17.5	31	26	0.5	42.8	1.96	0.9	3.5	3.67
8238	07-8238	12A/10	500703	5378456	21	C	35	-99.00	352	0.05	4.96	39.6	38	10	25	285	0.52	0.25	0.40	0.32	36	31.0	13	15.4	23	21	0.5	59.0	2.58	1.0	3.8	4.17
8239	07-8239	12A/11	499851	5377876	21	C	30	-99.00	314	0.05	5.00	13.9	13	0.5	360	260	0.44	4.3	0.92	0.05	30	27.6	10	11.5	39	40	0.5	24.3	1.77	0.7	2.8	2.93
8240	07-8240	12A/11	499108	5377877	21	C	30	-99.00	279	0.05	4.90	7.9	9	0.5	25	297	0.42	3.0	0.50	0.05	30	28.1	10	11.7	36	24	0.5	6.1	1.11	1.0	1.9	2.08
8241	07-8241	12A/11	499618	5377155	21	C	30	-99.00	283	0.05	5.36	27.7	29	0.5	400	344	0.66	3.0	0.63	0.28	33	34.0	13	16.0	50	35	0.5	45.8	2.40	0.7	3.6	4.02
8242	07-8242	12A/10	503487	5384468	21	C	35	-99.00	311	0.05	4.64	8.3	9	0.5	25	243	0.43	4.9	0.95	0.15	30	27.5	10	13.0	40	27	0.5	23.3	1.99	0.7	2.4	2.77
8243	07-8243																															

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct	
8267	07-8267	12A/06	476271	5369978	21	BC	15	-99.00	398	0.05	4.26	9.4	6	0.5	380	216	0.49	16.5	0.67	0.05	36	16.1	6	7.9	53	35	3.0	6.8	1.14	0.8	1.3	1.24
8268	07-8268	12A/06	479529	5371452	21	C	30	-99.00	355	0.05	5.65	18.0	15	0.5	380	385	0.76	14.3	0.65	0.05	44	29.2	9	11.1	72	49	0.5	26.4	1.73	0.8	2.6	2.81
8269	07-8269	12A/11	482452	5373457	21	C	30	-99.00	339	0.05	5.34	13.5	10	0.5	25	266	0.57	13.9	0.89	0.05	35	25.9	9	12.3	72	46	0.5	21.9	1.99	0.9	2.6	2.92
8270	07-8270	12A/11	484104	5371832	21	BC	30	-99.00	379	0.05	5.57	13.1	10	0.5	480	190	0.52	15.0	0.27	0.14	39	26.3	11	8.9	29	16	0.5	19.6	0.96	1.5	3.5	3.68
8271	07-8271	12A/06	486859	5369833	21	C	15	-99.00	472	0.05	6.96	0.25	1	17	960	977	1.92	7.5	0.45	0.05	29	16.7	9	15.2	35	32	3.0	0.5	0.57	0.1	3.3	3.24
8272	07-8272	12A/06	488093	5371003	21	BC	20	-99.00	380	0.05	6.29	19.5	14	0.5	25	234	0.51	43.5	0.74	0.25	44	36.8	11	12.8	45	34	0.5	28.8	1.72	0.1	4.4	4.55
8273	07-8273	12A/11	490483	5372805	21	BC	15	-99.00	370	0.70	2.82	52.4	41	0.5	25	173	0.15	11.4	0.09	0.30	34	12.3	39	39.3	34	15	0.5	4.1	2.71	0.1	12.7	12.79
8274	07-8274	12A/06	490745	5365406	21	BC	20	-99.00	384	0.10	6.16	12.2	9	0.5	510	497	0.48	38.5	0.99	0.11	39	35.3	14	16.9	45	40	3.0	12.7	2.21	1.4	5.3	5.27
8275	07-8275	12A/06	492053	5366419	21	C	35	-99.00	430	0.05	5.87	16.9	16	49	400	334	0.74	11.6	0.95	0.29	60	42.7	17	23.1	52	41	2.0	41.4	4.71	1.5	5.4	5.57
8276	07-8276	12A/06	495630	5366654	21	C	35	-99.00	333	0.05	5.80	14.5	14	0.5	370	265	0.44	12.2	1.44	0.11	37	23.1	8	15.9	59	51	0.5	21.9	2.66	1.1	3.5	3.75
8277	07-8277	12A/06	493830	5369200	21	BC	25	-99.00	376	0.05	5.93	8.9	8	0.5	630	486	1.19	35.4	0.68	0.05	57	24.8	6	10.0	51	38	5.0	28.3	2.20	1.5	3.4	3.48
8278	07-8278	12A/06	489204	5369367	21	C	25	-99.00	432	0.05	6.07	10.5	9	0.5	25	341	0.74	32.3	0.78	0.05	55	42.1	11	13.4	55	40	0.5	35.3	2.72	1.1	3.6	3.76
8279	07-8279	12A/06	488142	5368203	21	C	35	-99.00	343	0.05	5.30	14.9	14	0.5	390	265	0.55	10.6	1.12	0.19	63	49.1	15	18.2	37	33	0.5	27.3	3.49	1.4	4.3	4.38
8280	07-8280	12A/06	485789	5368336	21	BC	20	-99.00	374	0.05	5.53	4.2	2	0.5	25	40	0.05	4.3	4.92	0.45	31	25.7	9	24.7	63	44	0.5	0.5	4.79	1.7	5.4	5.26
8281	07-8281	12A/06	485316	5364523	21	C	30	-99.00	343	0.05	5.76	10.2	10	26	340	349	0.77	0.25	0.68	0.05	54	44.8	12	15.8	29	34	0.5	44.9	4.27	1.5	3.9	3.85
8282	07-8282	12A/06	482040	5364144	21	C	35	-99.00	376	0.05	5.67	12.6	9	0.5	540	459	0.86	0.25	1.36	0.06	60	48.1	17	20.0	59	51	0.5	57.9	5.40	1.7	4.5	4.40
8283	07-8283	12A/06	464328	5352999	21	C	35	-99.00	369	0.05	5.99	46.8	41	0.5	380	345	0.64	14.2	1.01	0.26	48	37.0	15	19.2	45	38	2.0	54.6	2.90	1.0	4.5	4.44
8284	07-8284	12A/06	463718	5355092	21	BC	15	-99.00	384	0.05	5.58	5.8	4	0.5	230	160	0.45	31.7	0.78	0.05	30	11.3	2	11.2	78	39	0.5	0.5	0.72	0.7	1.1	1.04
8285	07-8285	12A/06	463815	5356665	21	BC	25	-99.00	383	0.05	5.66	20.0	4	10	380	161	0.42	91.8	0.78	0.05	35	9.0	7	10.6	58	42	0.5	0.5	0.64	0.8	5.2	1.04
8286	07-8286	12A/06	466838	5358688	21	C	35	-99.00	336	0.05	5.95	63.5	58	0.5	400	242	0.69	18.4	1.15	0.42	53	45.6	18	19.9	47	41	0.5	38.1	3.49	1.2	4.5	4.50
8287	07-8287	12A/06	468378	5355879	21	C	30	-99.00	333	0.05	7.19	20.0	18	0.5	25	115	0.24	58.5	0.32	0.45	23	18.1	48	43.0	1020	878	0.5	60.2	1.39	0.5	7.5	7.31
8289	07-8289	12A/06	470111	5356665	21	C	45	-99.00	341	0.05	6.31	18.4	16	15	550	392	1.04	23.4	1.17	0.13	84	65.5	17	22.1	47	43	0.5	44.4	5.04	1.7	4.8	4.84
8290	07-8290	12A/06	473662	5359123	21	C	30	-99.00	337	0.05	6.08	5.8	5	65	480	441	0.87	8.7	1.75	0.13	73	58.9	18	23.1	58	44	0.5	20.2	5.03	0.1	5.0	5.17
8291	07-8291	12A/06	479943	5361283	21	C	30	-99.00	349	0.05	5.70	25.0	21	20	370	371	0.67	4.5	1.03	0.22	50	38.6	10	13.6	48	41	2.0	22.4	3.94	1.3	3.7	3.76
8292	07-8292	12A/06	481797	5361948	21	C	30	-99.00	332	0.05	6.68	13.2	12	8	470	476	0.77	7.5	0.70	0.05	72	58.7	22	23.7	149	130	2.0	58.8	3.75	1.7	4.6	4.56
8293	07-8293	12A/06	479502	5364452	21	BC	30	-99.00	362	0.05	6.37	10.4	10	0.5	760	697	1.37	66.7	0.61	0.05	102	91.7	12	15.5	135	113	2.0	26.1	3.22	1.5	5.2	5.13
8294	07-8294	12A/06	481596	5365359	21	BC	25	-99.00	476	0.05	6.27	9.9	8	0.5	310	348	0.76	18.6	1.30	0.05	59	51.5	12	16.6	47	45	0.5	41.5	3.50	1.4	4.6	4.70
8295	07-8295	12A/06	480881	5366227	21	C	25	-99.00	522	0.05	6.35	7.3	6	0.5	430	383	0.78	12.7	1.29	0.05	50	38.8	12	17.7	60	54	0.5	42.1	3.43	0.9	4.1	4.45
8296	07-8296	12A/06	479876	5367608	21	BC	15	-99.00	500	0.05	5.82	0.25	1	0.5	310	144	0.54	11.9	0.17	0.05	17	7.1	0.5	2.3	11	6	0.5	0.5	0.61	0.5	0.6	0.60
8297	07-8297	12A/06	486010	5362583	21	C	35	-99.00	315	0.05	6.99	27.9	22	0.5	400	354	0.50	68.2	0.55	0.33	33	26.3	16	17.6	39	32	0.5	50.1	2.26	1.1	5.5	5.46
8298	07-8298	12A/06	483755	5360584	21	C	25	-99.00	334	0.05	5.23	27.9	28	14	360	360	0.51	4.5	1.49	0.24	47	35.4	12	18.0	45	35	0.5	46.8	4.03	1.2	4.0	4.35
8299	07-8299	12A/06	483556	5359114	21	C	35	-99.00	336	0.05	5.96	6.0	5	0.5	730	750	0.73	0.25	0.50	0.05	22	17.6	17	20.6	33	30	0.5	15.2	2.14	0.6	3.8	3.96
8300	07-8300	12A/06	482144	5357865	21	C	30	-99.00	339	0.05	5.23	15.5	15	8	360	395	0.60	0.25	0.15	0.24	45	35.6	16	19.6	39	29	0.5	33.4	4.37	1.4	3.9	3.94
8301	07-8301	12A/06	480269	5356522	21	C	35	-99.00	334	0.05	5.69	13.6	10	12	430	443	0.82	0.25	1.55	0.23	53	42.2	12	17.3	34	27	0.5	31.7	4.56	1.2	3.9	3.93
8302	07-8302	12A/06	478458	5355369	21	C	30	-99.00	332	0.05	7.13	15.5	13	0.5	280	232	0.60	38.8	2.00	0.25	29	28.4	12	14.9	26	21	0.5	30.8	3.20	0.5	5.1	4.98
8304	07-8304	12A/06	478219	5357180	21	BC	30	-99.00	366	0.05	5.81	55.8	53	0.5	590	599	0.78	2.8	0.88	1.21	45	37.6	47	47.5	74	68	0.5	236.6	6.46	1.9	7.3	8.08
8305	07-8305	12A/06	476020	5356791	21	C	25	-99.00	364	0.05	5.54	38.8	36	0.5	390	318	0.44	8.7	1.04	0.51	31	27.1	26	29.0	34	30	0.5	108.7	3.77	1.2	5.2	5.48
8306	07-8306	12A/06	474226	5355488	21	C	35	-99.00	406	0.05	5.63	20.1	19	0.5	310	254	0.40	29.5	1.20	0.25	37	28.4	11	13.4	29	27	2.0	73.6	2.93	0.9	4.2	4.34
8307	07-8307	12A/06	471748	5356021	21	C	35	-99.00	339	0.05	6.00	20.1	18	0.5	480	373	0.80	24.8	1.06	0.17	57	51.9	16	21.1	39	35	0.5	41.0	3.04	0.9	4.3	4.57
8308	07-8308	12A/06	475756	5355588	21	C	35	-99.00	337	0.05	5.37	3.1	1	0.5	650	544	0.80	0.25	1.01	0.33	45	31.8	57	67.8	34	33	5.0	104.4	11.33	2.3	11.1	12.11
8309	07-8309	12A/06	467586	5352932	21	C	40	-99.00	340	0.05	6.07	27.9	27	0.5	470	362	0.74	21.7	1.10	0.21	51	44.5	17	22.5	53	45	0.5	74.0	3.17	1.2	4.1	4.72
8310	07-8310	12A/06	471539	5353205	21	C	40	-99.00	333	0.05	5.86	37.2	32	14	310	291	0.75	24.8	1.40	0.46	78	68.2	22	26.5	36	32	0.5	64.2	3.65	0.9	5.2	5.43
8311	07-8311																															

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
8334	07-8334	12A/06	489674	5353224	21	C	30	-99.00	339	0.05	6.00	50.2	48	109	360	270	1.95	15.2	1.29	0.05	56	68.2	11	17.8	84	68	0.5	27.7	2.97	1.1	3.1	3.45
8335	07-8335	12A/06	486171	5352973	21	C	40	-99.00	331	0.05	5.45	129.0	121	0.5	350	239	1.08	5.4	1.62	0.05	48	55.7	21	32.0	74	68	2.0	58.9	4.31	1.5	4.3	4.85
8337	07-8337	12A/06	482584	5352856	21	C	45	-99.00	337	0.05	5.66	76.0	74	6	420	254	1.00	5.9	1.74	0.12	43	50.6	21	29.6	68	65	2.0	50.1	3.44	1.4	4.3	4.71
8338	07-8338	12A/06	478699	5353058	21	C	40	-99.00	336	0.05	6.53	190.0	182	30	300	271	1.09	6.0	2.43	0.05	53	71.6	26	39.0	84	105	2.0	68.7	4.19	1.7	5.1	5.86
8339	07-8339	12A/06	476473	5352068	21	C	45	-99.00	338	0.05	5.85	91.2	86	24	410	349	1.00	1.3	2.04	0.05	40	46.5	23	32.7	58	62	2.0	57.2	4.57	1.4	4.8	5.39
8340	07-8340	12A/06	473919	5350233	21	C	40	-99.00	311	0.05	7.22	15.2	13	0.5	1140	926	1.00	42.6	2.20	0.05	137	167.0	23	36.1	84	87	0.5	30.6	5.08	3.6	7.8	8.31
8341	07-8341	12A/06	471307	5351540	21	C	40	-99.00	333	0.05	6.48	327.0	305	27	25	254	0.77	22.8	2.94	0.05	58	73.5	36	48.3	66	75	0.5	76.5	5.49	1.7	7.0	7.75
8342	07-8342	12A/06	468223	5350879	21	C	25	-99.00	337	0.05	5.84	48.4	48	10	460	341	0.86	1.9	1.21	0.05	44	46.0	15	24.0	41	44	0.5	44.9	3.98	1.4	4.5	5.07
8343	07-8343	12A/06	464794	5348937	21	C	30	-99.00	334	0.05	6.15	21.8	20	0.5	370	412	1.78	10.1	1.61	0.05	86	113.1	16	24.1	53	54	2.0	48.9	4.27	2.0	4.5	4.84
8344	07-8344	12A/06	473433	5366569	21	BC	30	-99.00	402	0.20	5.48	117.0	108	0.5	270	243	0.61	37.4	0.48	0.05	27	25.6	12	15.4	44	44	0.5	31.1	0.94	0.8	3.8	4.09
8501	07-8501	12A/11	488577	5381502	21	C	75	-99.00	265	0.05	5.81	14.8	14	0.5	410	385	0.95	2.3	0.98	0.05	33	40.2	12	17.4	65	56	2.0	40.1	3.20	1.2	3.7	4.09
8500	07-8500	12A/11	485574	5381980	21	C	25	-99.00	511	0.05	5.86	8.6	7	5	470	295	1.55	49.9	0.83	0.05	34	30.9	4	9.2	45	35	2.0	6.5	10.01	0.9	1.8	1.89
8502	07-8502	12A/11	483841	5381566	21	C	40	-99.00	522	0.05	5.21	8.6	8	0.5	280	273	0.95	23.4	1.15	0.05	26	32.3	9	12.9	51	41	0.5	30.0	4.09	0.9	2.3	2.58
8503	07-8503	12A/11	481814	5379755	21	C	35	-99.00	346	0.05	5.76	9.4	9	0.5	25	340	1.02	17.9	0.77	0.05	37	44.5	8	12.4	44	39	0.5	27.8	2.70	0.9	2.8	3.07
8505	07-8505	12A/11	468223	5379262	21	C	20	-99.00	353	0.05	5.62	6.6	7	4	310	307	0.92	25.0	0.82	0.05	31	35.6	7	10.5	58	36	2.0	15.1	2.57	0.9	2.4	2.58
8506	07-8506	12A/11	479392	5377779	21	C	30	-99.00	353	0.05	6.93	7.2	7	0.5	25	190	0.73	63.2	0.62	0.05	20	20.3	4	7.9	46	38	0.5	9.5	1.82	0.8	2.6	2.71
8507	07-8507	12A/11	476311	5375079	21	C	20	-99.00	416	0.05	5.58	8.8	8	51	400	311	0.67	24.8	0.82	0.05	46	50.4	5	9.6	46	35	2.0	12.0	2.55	1.3	2.1	2.21
8508	07-8508	12A/11	474755	5372976	21	C	45	-99.00	324	0.05	4.94	5.8	5	0.5	150	185	0.23	15.2	3.02	0.21	16	14.8	18	24.5	128	124	0.5	11.3	2.57	0.9	5.0	5.18
8509	07-8509	12A/06	471845	5371331	21	BC	25	-99.00	331	0.05	6.51	3.0	2	28	230	98	0.91	63.2	2.73	0.21	26	29.0	11	16.8	74	71	0.5	17.2	2.00	1.1	4.4	4.50
8510	07-8510	12A/06	465596	5367198	21	C	50	-99.00	325	0.05	5.53	12.0	12	0.5	25	238	0.61	24.0	2.46	0.05	25	26.8	13	17.3	112	119	0.5	72.3	2.51	1.0	3.2	3.42
8511	07-8511	12A/06	468657	5364711	21	C	35	-99.00	309	0.05	5.58	72.0	62	0.5	310	236	0.55	47.2	0.75	0.11	24	29.0	11	15.5	53	53	2.0	40.8	1.62	0.7	4.8	5.17
8512	07-8512	12A/06	469899	5362085	21	C	45	-99.00	324	0.20	6.38	104.0	93	15	550	448	0.91	2.6	1.14	0.13	44	45.3	26	28.5	55	43	0.5	89.2	3.33	1.7	6.3	6.45
8513	07-8513	12A/06	471259	5364179	21	C	50	-99.00	331	0.05	5.08	38.4	35	5	210	225	0.49	11.2	0.83	0.05	38	44.9	18	21.8	25	25	0.5	52.3	2.54	1.1	4.2	4.51
8514	07-8514	12A/06	472343	5365055	21	BC	50	-99.00	356	0.05	4.73	39.2	35	0.5	330	197	0.46	23.2	0.89	0.05	22	27.2	8	11.9	42	30	0.5	31.7	1.87	0.9	3.2	3.35
8515	07-8515	12A/06	474769	5367209	21	C	45	-99.00	326	0.05	4.49	88.0	80	0.5	310	258	0.57	1.2	0.89	0.10	30	31.9	14	17.6	52	46	0.5	64.0	2.54	1.2	3.4	3.71
8516	07-8516	12A/06	476007	5368167	21	C	55	-99.00	337	0.05	7.02	160.0	141	0.5	270	265	0.29	12.0	1.51	0.05	26	29.2	34	39.3	640	707	7.0	37.7	3.36	1.0	6.9	7.32
8517	07-8517	12A/06	477355	5369615	21	C	30	-99.00	365	0.05	4.91	15.8	14	0.5	320	345	0.60	2.6	0.68	0.05	27	26.9	6	7.8	41	38	0.5	5.4	1.21	0.9	2.0	2.05
8518	07-8518	12A/06	478131	5371323	21	C	20	-99.00	380	0.05	6.76	6.8	5	0.5	25	67	0.05	39.8	0.44	0.48	8	12.7	32	39.5	299	299	2.0	53.6	2.86	0.9	9.6	9.58
8519	07-8519	12A/11	480829	5372494	21	C	25	-99.00	352	0.05	4.93	21.6	19	0.5	240	267	0.51	3.5	0.80	0.05	27	29.1	7	10.0	56	41	0.5	20.2	1.80	0.9	2.3	2.44
8520	07-8520	12A/11	483605	5374602	21	C	60	-99.00	311	0.05	5.30	24.1	22	0.5	330	270	0.59	10.0	0.93	0.05	26	29.6	11	14.8	58	44	0.5	47.7	2.06	0.9	2.4	2.58
8521	07-8521	12A/11	484492	5375366	21	C	50	-99.00	304	0.05	4.90	12.4	12	0.5	370	325	0.57	6.5	0.68	0.05	22	21.3	7	10.4	52	37	0.5	6.9	1.06	0.7	2.0	2.09
8522	07-8522	12A/11	486044	5372531	21	C	20	-99.00	490	0.05	6.25	21.6	12	0.5	330	230	0.47	38.2	0.45	0.16	21	23.5	7	10.4	125	144	0.5	53.1	1.42	0.8	4.2	4.51
8523	07-8523	12A/11	488919	5372979	21	C	45	-99.00	421	0.05	6.64	10.1	10	6	400	437	1.13	18.3	1.79	0.05	44	53.6	11	18.1	56	58	0.5	9.7	2.87	1.4	4.4	4.83
8524	07-8524	12A/06	489165	5364428	21	C	15	-99.00	434	0.05	6.58	20.8	19	0.5	450	467	0.39	2.4	1.1	0.05	8	5.4	0.5	2.8	14	13	2.0	9.8	0.05	0.1	1.1	1.10
8525	07-8525	12A/06	490822	5367163	21	C	45	-99.00	338	0.05	5.80	7.0	7	4	370	361	0.56	1.5	0.88	0.05	35	34.0	7	11.7	35	32	0.5	3.9	2.03	1.4	2.7	2.83
8526	07-8526	12A/06	493469	5367580	21	C	40	-99.00	313	0.05	5.97	20.8	19	40	430	397	0.50	5.3	1.42	1.73	47	48.2	8	16.3	48	55	0.5	109.5	3.82	2.0	3.9	4.16
8527	07-8527	12A/06	495574	5368019	21	BC	45	-99.00	364	0.05	6.24	33.6	28	0.5	240	210	0.46	19.3	1.15	0.21	32	31.4	21	26.4	55	55	0.5	38.0	2.45	1.3	4.7	4.82
8528	07-8528	12A/06	491436	5369300	21	C	60	-99.00	337	0.05	5.35	34.4	30	26	170	180	0.58	3.2	1.19	0.31	49	55.0	21	25.6	37	33	0.5	74.8	6.83	2.4	6.6	6.77
8529	07-8529	12A/06	490053	5368000	21	C	60	-99.00	336	0.05	6.56	10.1	10	0.5	25	189	0.41	21.8	1.85	0.18	36	38.4	20	26.9	92	102	0.5	50.3	3.93	1.7	5.2	5.38
8531	07-8531	12A/06	488709	5366365	21	C	55	-99.00	334	0.05	5.52	21.0	18	28	420	294	0.63	10.9	0.85	0.05	32	39.4	32	32.5	33	32	0.5	66.8	3.98	1.8	4.7	4.83
8532	07-8532	12A/06	486475	5365747	21	C	60	-99.00	338	0.05	6.02	6.8	5	6	550	564	0.53	21.0	1.25	0.24	46	49.0	40	54.9	28	32	2.0	35.7	10.11	3.2	9.3	9.69
8533	07-8533	12A/06	486903	5363598	21	BC	40	-99.00	341	0.05	5.37	260.0	241	0.5	280	256	0.42	19.3	0.64	0.05	26	24.9	7	11.7	40	40	0.5	54.6	1.41	1.1		

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
8558	07-8558	12A/06	473109	5354638	21	C	45	-99.00	398	0.05	7.82	27.9	26	0.5	450	314	1.68	110.0	0.38	0.05	71	29.1	11	13.0	90	84	0.5	37.5	1.39	1.2	6.2	6.24
8559	07-8559	12A/06	469549	5354733	21	C	90	-99.00	316	0.05	5.63	23.3	23	0.5	470	351	0.70	12.2	1.13	0.13	47	38.9	14	19.5	40	38	0.5	44.0	3.17	1.2	3.8	4.27
8560	07-8560	12A/06	470005	5353051	21	C	55	-99.00	328	0.50	5.32	68.2	63	33	25	373	0.95	3.1	1.02	0.80	64	34.8	29	34.2	40	38	0.5	129.4	4.42	1.5	5.5	5.92
8561	07-8561	12A/06	473823	5353680	21	C	100	-99.00	330	0.05	5.18	38.5	35	54	390	323	0.51	0.25	1.48	0.29	40	33.6	19	22.5	19	20	0.5	68.2	4.57	1.1	4.6	4.95
8563	07-8563	12A/06	480735	5355130	21	C	60	-99.00	334	0.05	6.10	60.5	52	6	390	362	0.75	18.6	1.46	0.05	59	54.9	23	27.9	64	52	0.5	67.5	3.93	1.2	4.4	4.72
8564	07-8564	12A/06	482083	5355466	21	C	50	-99.00	330	0.05	5.29	35.7	30	0.5	470	366	0.90	4.3	1.34	0.05	81	71.8	28	33.0	31	29	3.0	58.0	4.82	1.2	5.0	5.29
8565	07-8565	12A/06	484072	5356202	21	C	55	-99.00	329	0.05	5.86	40.3	34	28	25	240	0.46	26.4	1.88	0.05	39	30.7	9	16.9	54	46	0.5	13.7	2.54	0.9	3.8	3.97
8566	07-8566	12A/06	486259	5355789	21	C	35	-99.00	388	0.05	5.74	32.5	17	22	710	739	0.58	14.7	0.99	0.05	34	22.9	9	14.0	52	40	0.5	15.7	1.50	0.9	3.3	3.28
8567	07-8567	12A/06	488641	5355759	21	C	50	-99.00	377	0.05	6.33	82.6	67	0.5	430	717	1.04	11.8	1.23	0.05	60	44.4	15	25.2	84	72	0.5	36.4	3.32	1.4	5.1	5.07
8568	07-8568	12A/06	488009	5357584	21	C	50	-99.00	371	0.05	5.32	62.7	57	0.5	240	218	0.47	18.4	1.75	0.05	47	36.2	11	18.3	55	44	0.5	24.8	3.33	1.2	3.9	3.94
8569	07-8569	12A/06	489094	5357878	21	C	35	-99.00	378	0.05	5.51	38.3	37	38	340	292	0.64	3.2	1.57	0.05	47	37.1	12	20.6	57	49	0.5	38.2	3.68	1.5	6.0	4.24
8570	07-8570	12A/06	487241	5356789	21	C	55	-99.00	388	0.05	7.28	10.6	6	25	55	84	0.05	27.5	2.07	0.38	26	25.9	34	41.6	153	143	0.5	32.7	4.78	1.5	6.9	6.80
8571	07-8571	12A/06	484915	5359559	21	C	65	-99.00	331	0.05	5.80	35.2	30	21	320	394	0.64	6.4	1.10	0.17	47	37.6	17	23.3	52	46	0.5	66.4	3.40	1.2	5.0	5.06
8572	07-8572	12A/06	486189	5359278	21	BC	35	-99.00	342	0.05	6.46	24.5	20	0.5	240	234	0.51	26.0	1.36	0.05	37	29.9	9	15.5	63	58	0.5	45.6	1.93	0.8	3.6	3.81
8573	07-8573	12A/06	486174	5360678	21	C	45	-99.00	335	0.05	5.43	41.3	37	15	490	411	0.66	7.8	1.18	0.05	70	59.6	17	22.4	41	39	0.5	45.4	3.12	1.2	4.0	4.35
8574	07-8574	12A/06	488070	5360925	21	C	35	-99.00	335	0.05	6.95	35.2	30	0.5	25	234	0.52	67.3	1.09	0.05	37	29.4	14	19.2	63	51	0.5	31.5	3.36	1.1	4.8	4.75
8575	07-8575	12A/06	489868	5363157	21	C	45	-99.00	342	0.05	5.86	29.1	24	0.5	230	315	0.57	11.3	1.05	0.05	44	33.2	11	15.4	43	40	0.5	44.7	2.81	1.1	3.9	3.91
8576	07-8576	12A/06	492201	5363159	21	C	40	-99.00	338	0.05	5.63	12.4	6	0.5	340	287	0.40	0.25	1.70	0.05	39	26.2	11	17.4	63	44	0.5	3.7	2.62	1.1	3.6	3.45
8577	07-8577	12A/06	491805	5364302	21	C	50	-99.00	333	0.05	5.70	209.0	178	0.5	480	353	0.70	15.3	1.25	0.05	72	57.0	19	22.6	50	38	0.5	57.8	4.50	1.6	5.3	5.00
8578	07-8578	12A/06	494011	5362834	21	C	40	-99.00	311	0.05	5.74	46.7	44	0.5	25	233	0.41	19.3	1.32	0.17	56	51.4	18	26.1	55	48	0.5	49.1	3.07	1.1	4.3	4.75
8579	07-8579	12A/06	493505	5365544	21	C	45	-99.00	314	0.60	5.24	106.0	73	34	760	503	0.79	15.5	0.78	0.05	53	30.8	23	20.4	66	44	0.5	94.5	1.85	1.3	7.8	6.45
8580	07-8580	12A/06	496330	5370538	21	BC	35	-99.00	390	0.05	7.49	33.8	35	0.5	600	557	0.93	33.8	0.32	0.05	43	22.5	8	12.4	19	22	0.5	21.9	2.00	1.3	3.5	4.41
8581	07-8581	12A/11	499918	5372435	21	C	45	-99.00	276	0.05	5.68	11.3	9	11	340	269	0.47	3.2	1.13	0.37	48	34.7	13	18.7	66	52	0.5	31.0	3.46	1.3	3.5	3.69
8582	07-8582	12A/10	501117	5374715	21	BC	45	-99.00	334	0.05	4.98	15.0	11	11	400	240	0.35	1.8	0.71	0.05	37	24.1	5	10.1	45	32	0.5	7.2	1.51	0.8	2.3	2.22
8583	07-8583	12A/10	500491	5380914	21	BC	55	-99.00	285	0.05	4.79	32.2	34	0.5	25	262	0.53	4.3	0.79	0.13	29	29.3	13	18.0	45	48	0.5	49.7	1.85	0.8	3.1	3.98
8584	07-8584	12A/06	490935	5353935	21	C	85	-99.00	296	0.05	5.97	41.9	36	0.5	430	327	2.32	4.3	1.59	0.14	76	61.0	16	21.7	90	51	2.0	47.8	5.02	1.3	3.6	3.63
8585	07-8585	12A/06	488105	5352760	21	C	50	-99.00	326	0.05	4.88	40.3	34	0.5	25	267	0.55	5.5	0.78	0.18	34	30.9	16	17.9	61	49	0.5	51.8	2.11	0.8	3.8	4.04
8586	07-8586	12A/06	484291	5352318	21	C	45	-99.00	327	0.05	5.31	267.0	245	62	350	251	1.18	0.25	1.90	0.50	60	49.3	17	26.8	78	59	0.5	50.8	5.02	1.7	4.4	4.57
8588	07-8588	12A/06	480778	5353064	21	C	55	-99.00	323	0.05	6.66	114.0	101	0.5	330	312	1.06	12.2	1.73	0.31	104	97.7	28	35.5	104	92	3.0	170.5	3.82	1.5	5.3	5.64
8589	07-8589	12A/06	478178	5351230	21	C	45	-99.00	329	0.05	8.08	14.7	12	0.5	330	186	2.67	83.5	1.82	0.24	50	40.9	12	19.4	167	161	3.0	18.3	3.87	0.8	4.3	4.58
8590	07-8590	12A/06	475397	5350197	21	C	50	-99.00	327	0.05	5.84	58.5	54	0.5	370	303	2.34	11.9	1.97	0.24	68	51.0	13	19.8	50	41	2.0	26.3	4.09	1.2	3.4	3.64
8591	07-8591	12A/06	473367	5351384	21	C	50	-99.00	332	0.05	6.03	40.1	35	0.5	480	423	1.00	3.7	2.21	0.23	94	92.5	25	32.4	92	75	2.0	44.2	4.71	1.7	5.4	5.66
8592	07-8592	12A/06	469771	5351505	21	C	45	-99.00	337	0.05	6.11	50.1	47	10	470	309	1.12	4.3	2.68	0.42	53	49.5	25	33.3	62	63	0.5	59.6	4.35	1.5	4.9	5.58
8593	07-8593	12A/06	466903	5349861	21	C	50	-99.00	334	0.05	5.81	66.8	66	10	300	351	1.14	2.5	1.87	0.26	58	56.1	20	27.0	53	49	2.0	49.3	4.03	1.3	4.4	4.91
5000	08-5000	12A/10	500598	5384489	21	BC	40	-99.00	170	0.05	4.70	12.0	11	2	330	312	0.71	5.0	0.96	0.05	37	33.0	10	12.5	82	43	1.0	27.7	2.49	0.8	3.0	2.75
5001	08-5001	12A/10	501421	5385083	21	BC	65	-99.00	190	0.05	4.58	8.4	9	2	290	282	0.64	2.0	1.03	0.05	32	30.3	10	12.4	75	46	1.0	21.5	2.39	0.8	2.6	2.52
5002	08-5002	12A/10	502309	5385500	21	BC	65	-99.00	205	0.05	5.05	11.0	13	0.5	260	267	0.69	28.0	0.66	0.13	33	33.2	10	12.4	66	49	1.2	24.8	2.16	0.3	3.0	3.08
5003	08-5003	12A/10	503039	5386074	21	C	-99	-99.00	170	0.05	4.85	13.0	12	3	320	317	0.74	7.0	0.65	0.05	42	41.6	12	14.3	64	45	1.2	44.5	2.88	0.8	2.9	2.85
5004	08-5004	12A/10	504710	5386685	21	BC	42	-99.00	190	0.05	5.15	21.0	19	3	300	313	0.79	27.0	0.53	0.05	44	40.0	9	10.9	52	33	1.4	34.5	2.12	0.7	2.8	2.66
5005	08-5005	12A/10	508058	5386114	21	C	45	-99.00	315	0.05	4.97	89.0	74	6	300	291	0.50	11.0	0.53	0.05	32	31.0	8	9.6	37	22	1.0	27.5	1.58	0.9	2.9	2.84
5006	08-5006	12A/10	504483	5385882	21	BC	80	-99.00	273	0.05	4.92	34.0	32	7	280	298	0.69	12.0	0.68	0.14	52	42.2	17	18.0	48	35	0.9	46.9	3.41	0.9	3.2	3.25
5007	08-5007	12A/10	505056	5385489	21	BC	60	-99.00	278	0.05	6.02	56.3	53	6	370	356	1.13	34.0	0.65	0.33	77	69.6	23	23.2	63	49	1.6	86.3	4.84	1.3	4.5	4.50
5008																																

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5031	08-5031	12A/10	507964	5387536	21	C	40	-99.00	273	0.05	4.48	13.0	11	0.5	240	245	0.40	6.0	0.67	0.05	34	29.6	7	8.7	40	26	1.0	7.1	1.43	0.6	2.4	2.18
5032	08-5032	12A/10	524020	5397535	21	C	55	-99.00	234	0.30	6.43	112.0	100	0.5	430	435	0.92	11.0	0.45	0.76	54	41.6	18	19.5	84	65	2.0	32.2	2.21	1.0	5.8	5.50
5033	08-5033	12A/10	524709	5396862	21	C	65	-99.00	238	0.05	5.53	21.0	20	5	280	277	0.62	29.0	0.79	0.05	41	34.5	10	11.5	77	45	1.1	23.1	1.74	0.8	3.1	2.86
5034	08-5034	12A/10	5395953	5395953	21	C	45	-99.00	260	0.05	5.06	45.0	39	6	290	282	0.64	8.0	0.80	0.30	55	47.0	17	16.6	80	45	0.9	38.1	2.48	0.7	3.3	3.07
5035	08-5035	12A/10	526703	5395809	21	C	55	-99.00	252	0.05	6.41	61.1	58	3	360	379	0.96	33.0	0.42	0.29	53	48.0	33	32.8	99	68	1.9	49.2	2.68	0.3	5.2	5.16
5036	08-5036	12A/10	506917	5387786	21	C	35	-99.00	219	0.05	4.48	21.0	16	0.5	270	268	0.43	3.0	0.68	0.05	35	22.7	5	7.5	51	30	1.0	8.9	1.06	0.6	2.6	2.36
5037	08-5037	12A/10	507156	5388676	21	C	40	-99.00	221	0.05	4.62	27.0	24	3	240	245	0.66	10.0	0.66	0.05	50	36.5	12	13.1	58	44	0.9	35.2	1.74	0.8	2.8	2.74
5038	08-5038	12A/10	508013	5389729	21	C	70	-99.00	234	0.05	4.36	30.0	25	3	320	302	0.79	3.0	0.56	0.05	53	44.3	11	12.0	65	35	1.2	30.4	2.47	0.9	3.0	2.68
5039	08-5039	12A/10	510362	5391536	21	C	70	-99.00	239	0.05	4.56	29.0	25	2	240	238	0.74	20.0	0.59	0.10	53	55.7	14	14.5	71	41	1.1	19.9	1.81	0.8	2.7	2.73
5040	08-5040	12A/10	509233	5391263	21	C	45	-99.00	254	0.05	4.37	7.0	8	2	290	286	0.62	5.0	0.54	0.05	34	27.0	6	8.3	76	35	1.2	10.5	1.20	0.5	2.0	1.84
5042	08-5042	12A/10	508493	5390626	21	C	70	-99.00	274	0.05	3.67	45.0	38	4	230	236	0.65	2.0	0.75	0.14	40	28.5	13	13.4	59	28	0.8	75.3	2.47	1.0	3.1	2.75
5043	08-5043	12A/10	530718	5390745	21	C	70	-99.00	239	0.05	3.46	23.0	19	3	200	191	0.50	11.0	0.59	0.05	41	33.9	7	8.1	55	24	0.6	17.3	1.33	0.5	2.1	1.86
5044	08-5044	12A/10	504372	5387495	21	C	60	-99.00	181	0.05	5.12	24.0	21	8	360	351	0.86	12.0	0.49	0.05	82	70.3	15	14.3	69	34	1.5	38.1	1.85	0.9	3.2	2.82
5045	08-5045	12A/10	505172	5388061	21	C	40	-99.00	223	0.05	5.05	12.0	10	0.5	350	356	0.78	9.0	0.41	0.05	50	41.7	7	8.4	54	30	1.5	29.1	1.45	0.7	2.6	2.37
5046	08-5046	12A/10	505896	5388851	21	C	80	-99.00	247	0.05	4.64	19.0	16	10	310	298	0.69	13.0	0.52	0.05	66	57.3	11	10.2	68	34	1.2	31.0	1.59	0.5	2.7	2.32
5047	08-5047	12A/10	504328	5388444	21	C	35	-99.00	269	0.05	6.32	3.9	3	4	420	455	0.64	5.0	0.65	0.05	34	26.0	8	11.4	77	57	3.5	9.0	1.17	0.8	2.2	2.28
5048	08-5048	12A/10	505177	5388969	21	BC	40	-99.00	257	0.05	4.88	6.8	7	7	260	274	0.65	22.0	0.51	0.05	28	26.2	5	7.1	51	25	1.1	10.8	1.40	0.3	1.9	1.90
5049	08-5049	12A/10	506045	5389899	21	C	30	-99.00	233	0.05	3.82	7.3	6	2	260	254	0.54	8.0	0.50	0.05	25	24.8	5	7.5	44	31	1.1	8.9	0.94	0.3	1.6	1.71
5050	08-5050	12A/10	506384	5390840	21	C	40	-99.00	218	0.05	4.46	7.7	7	4	290	299	0.59	6.0	0.57	0.05	31	31.1	6	9.5	58	39	1.1	12.2	1.36	0.3	2.1	2.16
5051	08-5051	12A/10	507093	5391608	21	BC	80	-99.00	196	0.05	5.12	20.0	17	0.5	380	368	0.82	0.5	1.71	0.05	41	33.6	15	15.5	98	56	1.9	43.5	2.90	1.1	3.7	3.39
5052	08-5052	12A/10	508067	5391695	21	C	30	-99.00	207	0.05	4.39	6.7	6	2	250	264	0.56	10.0	0.53	0.05	29	23.7	7	8.7	81	36	1.5	10.4	1.05	0.5	1.8	1.73
5053	08-5053	12A/10	508900	5392403	21	C	50	-99.00	193	0.05	5.18	15.0	22	4	340	345	0.79	11.0	0.54	0.05	44	37.2	11	12.8	83	48	1.8	42.1	1.80	0.6	2.9	2.66
5054	08-5054	12A/10	509834	5392376	21	C	75	-99.00	210	0.05	4.60	24.0	15	4	350	344	0.84	2.0	0.58	0.05	61	48.3	12	12.8	94	42	1.9	29.8	2.31	1.0	2.0	2.74
5055	08-5055	12A/10	510520	5393061	21	BC	50	-99.00	241	0.05	5.53	21.0	21	0.5	270	297	1.08	20.0	0.41	0.14	43	37.0	15	16.5	88	70	2.6	29.4	1.77	0.9	3.8	3.91
5056	08-5056	12A/10	511353	5393526	21	BC	70	-99.00	225	0.10	4.83	26.0	24	3	270	287	1.11	13.0	0.35	0.27	67	55.4	30	28.8	84	54	2.0	43.5	1.86	1.0	3.5	3.22
5057	08-5057	12A/10	509062	5393436	21	BC	40	-99.00	230	0.05	4.79	13.0	10	8	290	307	0.67	11.0	0.37	0.05	40	37.4	9	11.9	82	48	2.0	19.9	1.36	0.3	2.8	2.77
5058	08-5058	12A/10	509890	5394452	21	BC	40	-99.00	209	0.05	5.08	11.0	9	5	470	449	1.06	0.5	0.84	0.05	56	48.1	12	14.6	110	54	3.6	32.3	3.17	0.9	3.0	2.84
5059	08-5059	12A/10	509742	5395239	21	C	65	-99.00	207	0.05	4.66	15.0	15	2	360	350	0.99	6.0	0.61	0.05	84	82.5	10	12.5	91	46	1.9	26.5	2.63	0.6	3.4	3.28
5060	08-5060	12A/10	510534	5395750	21	C	45	-99.00	193	0.05	3.72	7.4	7	3	240	231	0.45	2.0	0.69	0.05	24	20.6	5	8.1	66	31	0.8	9.6	1.18	0.3	1.7	1.58
5062	08-5062	12A/10	511549	5396160	21	C	45	-99.00	200	0.05	4.25	11.0	11	0.5	320	342	0.71	5.0	0.69	0.05	35	31.5	9	11.4	79	37	1.2	19.1	2.09	0.8	2.2	2.25
5063	08-5063	12A/10	512417	5396664	21	C	50	-99.00	184	0.05	4.52	10.0	8	3	350	343	0.78	2.0	0.66	0.05	40	36.4	9	11.0	76	36	1.1	22.6	2.61	1.0	2.7	2.54
5064	08-5064	12A/10	513145	5397577	21	C	40	-99.00	18	0.05	4.32	8.3	7	2	320	312	0.71	3.0	0.58	0.05	34	30.8	8	10.2	73	33	0.9	19.0	1.68	0.6	2.5	2.32
5065	08-5065	12A/10	514011	5397897	21	C	40	-99.00	193	0.05	4.38	6.7	6	3	370	347	0.92	1.0	0.52	0.05	50	41.4	7	9.5	76	32	1.3	25.0	3.12	1.1	2.3	2.05
5066	08-5066	12A/10	514728	5398336	21	C	50	-99.00	192	0.05	4.38	9.3	10	0.5	420	388	0.91	0.5	0.73	0.05	41	39.4	8	10.1	72	32	1.4	18.5	2.72	0.7	2.5	2.35
5067	08-5067	12A/10	515876	5398832	21	C	40	-99.00	181	0.05	3.31	4.9	5	0.5	230	230	0.51	3.0	0.57	0.05	25	23.2	5	7.4	94	26	0.8	12.5	1.45	0.3	1.6	1.48
5068	08-5068	12A/10	516743	5398886	21	C	40	-99.00	185	0.05	4.20	10.0	8	2	340	316	0.77	8.0	0.48	0.05	58	51.4	8	9.3	75	28	1.3	24.0	1.63	0.6	2.2	2.13
5069	08-5069	12A/10	517756	5399058	21	C	40	-99.00	210	0.05	3.81	13.0	12	2	280	276	0.74	11.0	0.54	0.05	44	40.3	7	8.8	72	35	0.8	17.0	1.90	0.3	2.1	1.97
5070	08-5070	12A/10	518981	5399457	21	BC	50	-99.00	196	0.05	3.38	11.0	11	6	240	233	0.67	9.0	0.60	0.05	34	29.0	5	7.3	79	33	1.1	24.9	2.62	0.9	1.8	1.71
5071	08-5071	12A/10	520263	5399069	21	BC	35	-99.00	188	0.05	8.88	93.0	89	9	240	251	1.69	40.0	0.27	0.36	72	71.7	24	12.5	100	82	2.4	54.6	3.94	1.0	6.2	6.20
5072	08-5072	12A/10	521662	5398892	21	BC	40	-99.00	193	0.05	4.68	75.6	65	3	290	286	0.90	7.0	0.85	0.05	69	60.5	10	22.3	74	37	1.4	26.8	2.56	0.9	3.0	2.79
5073	08-5073	12A/10	522645	5398927	21	C	35	-99.00	203	0.05	4.98	446.0	414	21	340	363	0.97	15.0	0.69	0.85	67	54.6	37	34.6	99	70	1.8	110.9	3.08	1.3	6.4	6.38
5074	08-5074	12A/10	522603	5397740	21	C	35	-99.00	237	0.05	5.24	39.0	36	3	300	301	0.66	16.0	0.54	0.05	49	39.9	13	15.0	60	39	1.3	27.3	1.82	0.9	3.1	3.03
5075	08-5075	12A/10	521770	5396919	21	C	65	-99.00	255	0.05	5.																					

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct	
5098	08-5098	12A/10	514830	5389499	21	C	60	-99.00	330	0.05	4.42	84.4	73	5	430	419	0.66	2.0	0.46	0.39	48	38.9	17	17.2	42	25	0.7	56.2	2.58	1.0	4.1	3.86
5099	08-5099	12A/10	514729	5390474	21	C	60	-99.00	323	0.05	4.42	80.6	68	7	360	345	0.60	9.0	0.70	0.05	45	31.6	12	11.9	51	24	1.2	33.4	3.01	1.1	3.6	3.39
5100	08-5100	12A/10	514009	5390635	21	C	70	-99.00	307	0.05	4.39	80.7	37	6	320	317	0.57	3.0	0.47	0.13	48	35.2	15	15.5	35	19	0.7	56.3	2.73	1.0	4.4	2.84
5102	08-5102	12A/10	515104	5391177	21	C	50	-99.00	338	0.05	4.40	43.0	37	4	300	289	0.49	9.0	0.66	0.05	41	31.2	10	11.1	45	21	0.7	33.4	1.82	0.8	3.1	4.26
5103	08-5103	12A/10	515882	5391957	21	C	40	-99.00	327	0.05	4.87	46.0	39	3	410	387	0.76	0.5	0.85	0.05	44	33.2	9	10.6	47	24	1.2	30.3	2.58	1.1	3.3	3.10
5104	08-5104	12A/10	516196	5392900	21	C	40	-99.00	323	0.05	4.32	27.0	24	2	270	276	0.59	7.0	0.73	0.05	42	32.7	7	9.0	51	24	1.0	30.2	1.84	0.7	2.6	2.52
5105	08-5105	12A/10	516566	5393798	21	C	50	-99.00	315	0.05	5.07	84.5	72	5	350	326	0.75	15.0	0.50	0.05	56	40.9	12	12.1	48	24	1.3	50.1	2.06	1.1	3.6	3.23
5106	08-5106	12A/07	510454	5370619	21	C	40	-99.00	316	0.05	5.16	99.1	81	19	320	311	0.81	4.0	0.80	0.42	87	63.0	32	31.4	45	35	1.6	122.0	4.09	1.5	6.2	5.88
5107	08-5107	12A/10	510658	5371700	21	C	45	-99.00	317	0.05	5.14	105.0	90	14	340	326	0.86	8.0	0.63	0.32	81	56.6	34	33.7	48	36	1.6	136.7	5.74	2.1	7.0	6.75
5108	08-5108	12A/10	511110	5372636	21	C	40	-99.00	328	0.05	5.31	76.2	64	10	270	264	0.76	7.0	0.65	0.36	67	42.6	27	27.9	36	37	1.4	104.9	3.02	1.4	5.8	5.51
5109	08-5109	12A/10	511742	5373306	21	C	40	-99.00	329	0.05	4.81	157.0	129	22	340	333	0.98	4.0	0.64	0.84	110	77.4	55	49.2	51	35	1.9	204.3	6.75	2.3	40.0	8.86
5110	08-5110	12A/10	512639	5373710	21	C	45	-99.00	333	0.05	4.79	102.0	85	15	240	232	0.67	6.0	0.58	0.34	74	50.7	27	27.9	34	28	1.3	126.2	3.61	1.9	6.1	5.86
5111	08-5111	12A/10	513248	5374539	21	C	35	-99.00	332	0.05	5.48	59.1	51	12	310	296	0.77	11.0	0.56	0.29	69	52.1	24	25.4	47	37	1.7	94.6	3.45	1.8	5.8	5.62
5112	08-5112	12A/10	513980	5375473	21	C	30	-99.00	348	0.05	5.62	17.0	16	3	270	290	0.51	8.0	0.61	0.05	50	42.6	7	12.5	41	40	2.3	14.8	1.38	1.0	3.4	3.49
5113	08-5113	12A/10	514924	5375831	21	C	40	-99.00	358	0.05	5.17	55.5	46	11	330	306	0.77	4.0	0.73	0.45	68	48.8	22	23.3	39	34	1.7	80.3	2.86	1.6	5.2	5.02
5114	08-5114	12A/10	516007	5375960	21	BC	40	-99.00	355	0.05	5.39	37.0	33	11	330	339	0.84	6.0	0.61	0.28	49	36.0	24	25.7	49	39	1.9	54.6	1.70	1.1	4.6	4.70
5115	08-5115	12A/10	516969	5376226	21	BC	30	-99.00	348	0.05	5.39	26.0	25	5	310	333	0.72	8.0	0.74	0.53	46	39.7	18	21.3	35	33	1.6	34.9	2.01	1.0	3.7	4.20
5116	08-5116	12A/10	517908	5376428	21	C	45	-99.00	375	0.05	5.06	56.7	48	9	280	275	0.64	6.0	0.62	0.20	60	50.4	21	22.0	35	29	1.1	77.6	2.78	1.2	4.8	4.71
5117	08-5117	12A/10	519066	5376330	21	BC	40	-99.00	364	0.05	5.41	44.0	40	7	260	263	0.58	11.0	0.89	0.31	53	49.8	21	22.4	44	39	0.9	61.6	3.21	1.2	4.6	4.50
5118	08-5118	12A/10	5376503	5376503	21	C	40	-99.00	375	0.05	5.26	20.0	18	4	310	309	0.59	5.0	0.89	0.17	41	39.1	12	14.9	45	36	1.2	33.2	2.36	1.2	3.9	3.76
5119	08-5119	12A/07	513706	5344084	21	C	60	-99.00	328	0.05	5.73	12.0	12	0.5	340	334	2.45	23.0	0.92	0.05	110	78.2	7	11.1	45	30	4.7	16.9	3.51	1.3	2.6	2.55
5120	08-5120	12A/07	514555	5344891	21	BC	40	-99.00	331	0.05	6.02	12.0	11	4	360	355	2.03	16.0	0.82	0.05	76	51.5	12	14.1	49	44	4.4	21.1	2.67	1.1	3.3	3.12
5121	08-5121	12A/07	515023	5345852	21	BC	50	-99.00	343	0.05	7.53	12.0	13	0.5	350	374	2.52	73.0	1.15	0.05	150	115.7	16	20.8	32	40	4.7	53.1	8.38	2.6	3.2	3.26
5122	08-5122	12A/07	514880	5346787	21	C	75	-99.00	347	0.05	6.44	24.0	23	3	370	363	2.32	16.0	0.79	0.05	140	117.7	13	16.6	67	64	5.2	44.8	3.60	1.1	3.7	3.76
5123	08-5123	12A/07	514944	5347817	21	C	70	-99.00	342	0.05	5.53	16.0	16	0.5	360	349	2.04	6.0	0.99	0.05	95	74.6	13	16.0	55	50	4.7	38.0	3.57	1.2	3.3	3.22
5124	08-5124	12A/07	514983	5348801	21	C	50	-99.00	355	0.05	5.39	12.0	11	0.5	340	321	2.00	8.0	1.16	0.05	91	61.5	12	14.1	67	53	3.1	35.9	3.38	1.2	3.5	2.90
5125	08-5125	12A/07	514440	5349711	21	C	40	-99.00	375	0.05	6.34	10.0	10	0.5	450	440	2.26	7.0	0.96	0.05	93	72.9	14	17.5	95	87	6.1	68.4	2.62	0.8	3.5	3.45
5126	08-5126	12A/07	514352	5350636	21	C	60	-99.00	388	0.05	6.58	10.0	10	0.5	420	432	2.52	7.0	0.72	0.05	120	102.1	18	20.5	72	65	6.1	114.7	3.42	1.7	4.0	3.83
5128	08-5128	12A/07	514663	5351750	21	C	40	-99.00	405	0.05	5.37	21.0	19	3	280	271	2.03	14.0	0.73	0.05	73	47.6	9	11.5	39	34	2.3	22.9	2.81	1.4	2.7	2.49
5129	08-5129	12A/07	514159	5352971	21	C	40	-99.00	392	0.05	5.27	16.0	14	2	260	258	1.97	10.0	0.66	0.05	80	59.9	7	10.0	34	30	1.9	15.8	2.35	1.0	2.5	2.28
5130	08-5130	12A/07	513879	5354119	21	C	35	-99.00	373	0.05	4.75	19.0	16	0.5	250	245	1.95	3.0	0.94	0.05	81	53.7	8	10.7	27	25	1.7	10.1	3.20	1.1	2.4	2.18
5131	08-5131	12A/07	513081	5355174	21	C	40	-99.00	367	0.05	4.89	55.8	49	3	280	261	1.84	3.0	0.95	0.05	87	65.0	12	15.0	39	31	2.4	22.1	3.57	1.3	3.1	2.82
5132	08-5132	12A/07	512758	5356082	21	C	70	-99.00	417	0.05	5.37	49.0	42	6	310	284	2.01	11.0	0.84	0.12	100	91.1	10	13.3	50	44	3.7	22.9	4.90	1.1	3.2	2.92
5133	08-5133	12A/07	513467	5356873	21	C	35	-99.00	421	0.05	5.50	57.0	49	9	290	282	1.69	11.0	0.81	0.05	100	84.8	30	28.1	51	40	2.9	47.3	3.50	1.3	4.3	3.68
5134	08-5134	12A/07	514054	5357548	21	C	45	-99.00	410	0.05	6.72	23.0	22	3	380	393	2.40	12.0	0.56	0.05	97	77.9	10	15.3	66	60	3.0	30.3	4.27	1.5	3.5	3.55
5135	08-5135	12A/07	5158545	5358545	21	C	35	-99.00	391	0.05	5.76	25.0	22	7	360	336	1.74	6.0	0.95	0.05	75	48.3	12	13.5	45	32	1.8	22.4	3.42	1.2	3.3	2.84
5136	08-5136	12A/07	514972	5359473	21	C	30	-99.00	376	0.05	5.48	43.0	39	5	310	317	1.51	4.0	1.04	0.34	120	96.8	16	18.8	67	57	3.3	23.7	6.32	1.8	4.3	4.02
5137	08-5137	12A/07	515901	5359496	21	C	40	-99.00	402	0.05	4.86	46.0	40	4	320	299	1.64	0.5	0.93	0.05	82	53.1	14	15.3	45	32	1.8	22.4	3.42	1.2	3.3	2.84
5138	08-5138	12A/07	517062	5359974	21	C	35	-99.00	391	0.05	5.12	24.0	21	3	290	273	1.30	9.0	0.74	0.05	110	70.5	11	13.5	51	37	2.1	18.7	4.03	1.7	3.7	3.26
5139	08-5139	12A/07	517803	5360620	21	C	35	-99.00	358	0.05	5.35	33.0	28	2	300	289	1.58	1.0	0.47	0.05	110	82.2	17	17.2	50	40	2.2	37.5	2.02	1.1	4.1	3.56
5140	08-5140	12A/07	518520	5361391	21	C	20	-99.00	382	0.05	5.35	33.0	28	2	300	289	1.58	1.0	0.47	0.05	110	82.2	17	17.2	50	40	2.2	37.5	2.02	1.1	4.1	3.56
5142	08-5142	12A/07	519073	5362387	21	C	30	-99.00	399	0.05	6.61	18.0	19	3	250	288	1.89	49.0	0.53	0.05	130	113.7	8	11.0	40	36	5.3	20.6	5.84	1.7	3.9	3.82
5143	08-5143	12A/07	519198																													

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5166	08-5166	12A/0	514771	5396311	21	C	40	-99.00	226	0.05	4.02	42.0	36	3	280	270	0.78	6.0	0.58	0.05	53	44.5	11	12.2	75	32	1.1	26.1	2.28	0.7	2.5	2.30
5167	08-5167	12A/07	524281	5371018	21	C	40	-99.00	279	0.05	5.69	25.0	22	4	320	314	0.92	3.0	0.84	0.11	56	48.0	15	22.5	59	48	1.3	49.1	2.93	1.2	4.7	4.57
5168	08-5168	12A/07	525007	5371577	21	C	40	-99.00	294	0.05	6.04	19.0	18	3	210	222	0.81	25.0	0.78	0.17	54	49.5	15	17.8	67	55	1.2	56.6	2.18	1.3	4.6	4.88
5169	08-5169	12A/07	525730	5372174	21	C	45	-99.00	316	0.05	5.39	24.0	20	8	250	241	0.73	6.0	1.13	0.18	53	44.0	24	26.3	61	45	1.0	73.4	3.07	1.2	4.9	4.69
5170	08-5170	12A/07	526521	5372832	21	C	35	-99.00	295	0.05	5.56	20.0	18	4	290	283	0.91	3.0	0.90	0.14	55	49.2	17	18.8	54	53	1.8	51.2	2.95	1.1	4.4	4.51
5171	08-5171	12A/07	527321	5373409	21	BC	45	-99.00	294	0.05	5.09	21.0	18	5	250	230	0.73	6.0	1.12	0.13	50	35.6	17	19.5	50	37	0.9	61.2	2.95	1.2	4.0	3.91
5172	08-5172	12A/07	528153	5373980	21	C	45	-99.00	299	0.05	5.32	43.0	36	5	240	238	0.83	7.0	1.25	0.22	64	51.5	34	35.1	50	40	1.1	79.4	2.43	1.1	4.9	4.62
5173	08-5173	12A/07	528741	5374766	21	C	45	-99.00	309	0.05	5.00	16.0	15	5	240	233	0.75	1.0	1.14	0.15	51	31.5	17	18.5	57	43	1.1	39.5	1.92	1.2	4.2	3.98
5174	08-5174	12A/07	528553	5375687	21	BC	40	-99.00	342	0.05	5.68	11.0	12	3	260	262	0.99	14.0	0.52	0.05	55	44.7	14	16.6	60	55	1.9	41.3	1.94	0.9	3.8	3.78
5175	08-5175	12A/07	528318	5376706	21	C	45	-99.00	330	0.05	5.52	11.0	10	4	240	241	0.76	2.0	0.96	0.05	48	36.6	12	15.9	50	40	1.1	31.5	1.79	0.9	3.5	3.33
5176	08-5176	12A/07	528211	5377790	21	C	45	-99.00	330	0.05	5.69	2.6	3	2	180	195	0.55	3.0	0.88	0.05	35	24.1	6	12.1	40	37	0.8	6.9	1.32	0.8	2.0	2.08
5177	08-5177	12A/07	528063	5378768	21	C	55	-99.00	308	0.05	5.73	20.0	19	4	230	218	0.79	14.0	1.22	0.20	61	52.9	17	20.9	39	36	0.9	60.7	2.64	1.3	3.9	3.88
5178	08-5178	12A/07	527867	5379777	21	C	65	-99.00	301	0.05	5.27	12.0	12	8	190	197	0.71	5.0	1.15	0.05	54	48.4	15	18.6	38	29	0.7	34.9	2.45	1.1	3.8	3.65
5179	08-5179	12A/07	527550	5380785	21	C	40	-99.00	255	0.05	5.82	7.8	8	4	150	150	0.65	13.0	1.57	0.10	44	39.3	14	17.9	24	26	0.5	33.1	2.34	0.9	3.8	3.68
5180	08-5180	12A/07	526712	5381519	21	BC	45	-99.00	283	0.05	5.19	48.0	44	7	310	299	0.91	7.0	1.11	0.38	66	57.3	34	36.2	53	38	1.2	81.8	4.26	1.8	4.9	4.82
5181	08-5181	12A/07	5382215	5382215	21	C	45	-99.00	300	0.05	5.55	39.0	36	6	390	389	1.03	0.5	0.86	0.18	56	51.8	21	23.9	47	40	2.0	59.5	3.43	1.2	4.6	4.63
5183	08-5183	12A/07	526403	5383198	21	C	65	-99.00	291	0.05	4.95	44.0	40	6	320	303	0.85	2.0	1.16	0.24	65	51.1	26	28.1	46	31	1.2	70.2	4.00	1.6	4.4	4.34
5184	08-5184	12A/07	526963	5384075	21	C	55	-99.00	283	0.05	5.45	43.0	40	17	300	325	0.90	7.0	1.12	0.26	58	44.8	20	25.6	40	37	1.4	58.8	2.85	1.3	4.8	4.70
5185	08-5185	12A/07	527373	5385091	21	C	35	-99.00	267	0.05	5.72	87.0	77	12	310	330	0.83	20.0	1.53	0.31	61	47.4	50	49.2	55	36	1.1	101.7	3.79	1.6	6.1	5.72
5186	08-5186	12A/07	527696	5386194	21	C	65	-99.00	285	0.05	5.72	13.0	14	4	360	400	0.58	9.0	0.88	0.05	52	30.9	13	22.4	55	38	1.9	19.7	1.97	1.3	2.9	3.16
5187	08-5187	12A/07	528105	5387101	21	BC	50	-99.00	349	0.05	5.95	42.0	41	11	410	437	1.24	5.0	0.57	0.27	100	80.2	33	36.0	57	50	2.4	118.3	3.03	1.4	5.3	5.24
5188	08-5188	12A/07	522652	5385919	21	C	50	-99.00	309	0.05	5.38	44.0	41	9	370	373	1.17	16.0	0.38	0.14	71	59.3	15	16.4	51	48	2.3	75.1	2.26	0.8	4.9	4.93
5189	08-5189	12A/07	523274	5385843	21	C	60	-99.00	293	0.20	5.56	46.0	44	9	320	339	1.16	56.0	0.38	0.17	68	67.3	26	29.2	58	46	2.7	120.7	1.76	0.8	4.9	5.22
5190	08-5190	12A/07	522064	5386596	21	C	65	-99.00	305	0.05	5.70	30.0	29	7	320	335	0.89	10.0	0.42	0.22	55	42.6	11	14.8	48	43	2.0	66.6	2.41	1.1	3.8	4.05
5191	08-5191	12A/07	523294	5388147	21	BC	60	-99.00	316	0.05	5.00	34.0	38	8	430	406	0.92	0.5	0.63	0.10	64	51.7	14	17.1	59	41	1.8	67.2	2.94	1.2	4.2	3.79
5192	08-5192	12A/07	522868	5387099	21	C	65	-99.00	322	0.05	5.05	44.0	30	6	380	376	1.01	0.5	0.45	0.29	76	58.0	35	33.7	58	39	2.0	91.2	2.56	1.1	4.9	4.55
5193	08-5193	12A/07	523233	5386634	21	C	50	-99.00	306	0.40	5.90	21.0	21	12	380	400	1.21	17.0	0.41	0.05	69	39.4	7	12.8	65	43	4.1	31.3	1.77	0.9	4.5	4.45
5194	08-5194	12A/07	524255	5386738	21	C	50	-99.00	311	0.05	5.12	53.0	46	8	370	382	1.03	0.5	0.56	0.05	76	49.6	24	25.2	54	44	2.7	80.9	2.77	1.5	5.7	5.18
5195	08-5195	12A/07	525362	5386791	21	C	65	-99.00	306	0.05	5.57	5.3	5	4	360	367	0.88	6.0	0.64	0.05	75	38.6	11	16.6	60	43	2.7	24.5	1.76	1.4	2.7	2.53
5196	08-5196	12A/07	525084	5387583	21	C	70	-99.00	317	0.05	5.67	50.0	47	7	380	414	1.27	4.0	0.48	0.30	93	70.1	26	28.4	49	27	9.7	46.2	3.03	1.1	5.4	5.03
5197	08-5197	12A/07	525983	5387194	21	C	30	-99.00	298	0.05	4.46	12.0	12	5	390	302	0.91	17.0	0.28	0.05	80	29.2	9	9.1	65	51	3.4	46.5	1.31	1.1	4.1	3.59
5198	08-5198	12A/07	526764	5386681	21	C	55	-99.00	297	0.05	5.24	46.0	40	7	390	377	1.10	2.0	0.66	0.26	81	55.6	28	30.9	56	43	2.1	75.2	3.23	1.2	5.3	4.84
5199	08-5199	12A/07	527257	5387284	21	C	55	-99.00	313	0.05	5.32	14.0	14	4	350	351	0.84	9.0	0.78	0.05	47	41.8	9	17.8	61	44	2.1	25.7	2.05	0.8	3.3	3.53
5201	08-5201	12A/07	523242	5374079	21	C	45	-99.00	361	0.05	6.76	23.0	23	24	540	552	1.18	9.0	0.39	0.05	63	43.0	16	17.8	40	37	2.7	73.4	1.63	1.1	5.1	5.05
5202	08-5202	12A/07	522599	5373219	21	C	40	-99.00	368	0.05	6.26	19.0	19	7	380	388	0.87	10.0	0.51	0.05	64	44.9	17	18.2	49	42	2.0	59.4	1.24	1.2	5.2	4.90
5203	08-5203	12A/07	521668	5372907	21	C	35	-99.00	379	0.05	6.27	24.0	23	42	370	390	0.91	13.0	0.51	0.05	61	41.9	19	19.5	56	42	2.0	59.9	1.78	0.7	4.8	4.62
5204	08-5204	12A/07	520578	5372273	21	BC	60	-99.00	310	0.05	5.65	19.0	15	3	340	349	0.79	15.0	0.72	0.14	55	36.2	16	17.1	48	37	2.0	40.3	1.37	1.2	5.3	5.02
5205	08-5205	12A/07	524065	5374467	21	BC	80	-99.00	334	0.50	6.13	27.0	27	9	280	301	0.80	38.0	0.51	0.38	44	34.9	15	18.0	51	41	2.1	40.7	1.78	1.1	6.6	6.26
5206	08-5206	12A/07	514422	5376716	21	C	40	-99.00	336	0.20	6.73	78.0	80	4	450	470	1.53	17.0	0.20	0.15	53	30.8	28	30.7	75	79	5.4	21.8	0.81	0.8	6.4	6.47
5207	08-5207	12A/07	529024	5379102	21	C	45	-99.00	318	0.05	5.84	4.9	5	3	260	262	0.62	6.0	0.73	0.05	43	29.6	11	13.5	49	42	1.7	10.2	1.31	0.3	3.0	2.96
5208	08-5208	12A/07	529745	5379723	21	C	35	-99.00	310	0.05	6.21	16.0	16	5	280	284	0.90	17.0	0.84	0.05	44	37.6	18	20.6	44	44	1.4	43.8	2.31	0.8	4.0	3.82
5209	08-5209	12A/07	529950	5380598	21	C	50	-99.00	305	0.05	6.21	8.8	11	3	280	280	0.93	16.0	0.75	0.05	70	63.8	13	15.2	40	42	1.0	61.3	2.44	1.0	3.2	3.24
5210	08-5210	12A/07	530186	5381590	21	C	40																									

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5233	08-5233	12A/10	516679	5377678	21	C	40	-99.00	324	0.05	5.52	17.0	18	4	240	274	0.65	15.0	0.52	0.11	44	27.0	6	11.9	39	35	1.8	29.4	1.66	0.8	3.0	3.17
5234	08-5234	12A/10	516074	5376938	21	BC	40	-99.00	362	0.05	5.28	14.0	14	3	290	328	0.70	6.0	0.51	0.05	43	25.8	8	13.5	38	37	2.2	7.6	0.61	0.9	2.0	2.25
5235	08-5235	12A/10	515668	5378230	21		-99	-99.00	331	0.20	5.96	11.0	13	3	300	349	0.76	10.0	0.40	0.05	44	27.8	9	15.6	39	48	3.4	25.4	1.30	0.8	2.7	3.08
5236	08-5236	12A/10	515323	5378812	21	C	40	-99.00	348	0.05	5.25	51.2	43	9	350	347	0.93	2.0	0.53	0.25	62	51.6	24	27.8	46	35	1.8	88.5	3.85	1.4	5.4	5.36
5237	08-5237	12A/10	515382	5383874	21	C	40	-99.00	269	0.05	4.81	56.9	48	8	240	226	0.69	4.0	0.67	0.31	52	48.2	23	23.6	45	33	0.9	79.6	2.68	1.4	5.0	4.74
5238	08-5238	12A/10	515272	5382952	21	C	45	-99.00	307	0.05	5.21	28.0	27	6	260	267	0.70	3.0	0.92	0.05	35	31.2	12	17.6	43	36	1.3	29.2	2.26	0.8	3.4	3.62
5239	08-5239	12A/10	515069	5381942	21	C	30	-99.00	307	0.05	5.20	22.0	21	6	220	236	0.59	12.0	0.76	0.05	42	36.2	32	0.9	30.9	2.86	1.1	3.3	3.39			
5240	08-5240	12A/10	514787	5381126	21	BC	30	-99.00	304	0.05	4.37	27.0	23	3	160	161	0.56	8.0	0.78	0.58	36	34.4	57	52.9	13	18	2.0	59.2	4.31	1.0	9.3	9.19
5242	08-5242	12A/10	514834	5380313	21	C	40	-99.00	338	0.05	5.20	66.2	57	10	320	326	0.95	7.0	0.64	0.36	71	68.1	31	31.8	38	16	1.1	114.4	3.45	1.0	5.9	5.76
5243	08-5243	12A/10	514827	5379455	21	BC	40	-99.00	342	0.05	5.03	94.6	88	7	320	343	0.98	27.0	0.69	0.56	66	45.0	32	35.2	55	40	2.2	61.7	0.87	1.0	5.8	5.90
5244	08-5244	12A/10	524951	5381732	21	C	45	-99.00	312	0.05	5.32	40.0	35	6	370	349	0.92	5.0	0.72	0.05	62	54.3	16	19.8	41	38	1.5	56.0	2.09	1.1	4.0	3.94
5245	08-5245	12A/10	524019	5381929	21	C	55	-99.00	322	0.05	5.05	36.0	31	8	370	349	0.83	8.0	0.76	0.15	52	44.0	18	19.8	41	38	1.5	56.0	2.09	1.1	4.0	3.94
5246	08-5246	12A/10	524838	5378675	21	C	40	-99.00	357	0.05	6.18	11.0	11	5	280	272	0.73	26.0	1.30	0.15	41	33.4	13	16.3	48	48	1.1	35.4	2.25	0.8	3.5	3.48
5247	08-5247	12A/10	525559	5378279	21	C	55	-99.00	335	0.05	5.59	10.0	10	3	260	257	0.72	7.0	1.56	0.05	40	35.4	13	17.9	45	47	1.3	56.3	2.57	1.3	4.1	4.06
5248	08-5248	12A/10	524680	5377881	21	C	35	-99.00	356	0.05	5.99	18.0	19	6	280	280	0.81	9.0	1.12	0.14	60	55.3	18	20.6	57	47	1.3	56.3	2.57	1.3	4.1	4.06
5249	08-5249	12A/10	523923	5377179	21	C	45	-99.00	351	0.05	6.14	15.0	15	4	230	233	0.70	25.0	1.15	0.22	45	41.6	14	16.5	56	47	0.8	46.1	2.39	1.0	4.0	4.10
5250	08-5250	12A/10	523095	5376794	21	BC	65	-99.00	358	0.05	6.07	29.0	29	6	280	301	0.85	32.0	1.00	0.16	56	45.6	10	15.0	48	48	1.2	45.0	2.56	0.9	4.3	4.25
5251	08-5251	12A/10	522270	5376711	21	C	100	-99.00	384	0.05	5.56	29.0	25	6	340	309	0.89	5.0	1.17	0.28	58	48.3	22	24.3	53	40	1.3	70.0	2.39	0.9	4.4	4.19
5252	08-5252	12A/10	522873	5396237	21	C	45	-99.00	233	0.05	5.30	47.0	43	0.5	300	306	0.80	24.0	0.57	0.05	48	44.8	15	16.9	68	47	0.9	31.9	1.88	0.8	3.4	3.30
5253	08-5253	12A/10	5396945	5396945	21	C	90	-99.00	215	0.05	4.76	55.0	47	3	360	343	0.83	8.0	0.63	0.05	56	47.6	17	18.1	68	42	1.1	45.8	2.04	1.1	3.4	3.21
5254	08-5254	12A/10	522190	5396282	21	C	60	-99.00	254	0.05	5.14	36.0	32	2	390	377	0.87	5.0	0.54	0.05	57	52.1	14	15.9	72	49	1.3	36.2	2.26	0.8	3.3	3.21
5255	08-5255	12A/10	522151	5395511	21	C	40	-99.00	252	0.05	5.24	76.3	68	4	460	447	0.89	5.0	0.52	0.13	53	47.3	14	17.1	55	37	1.4	47.9	2.03	0.8	3.9	3.79
5256	08-5256	12A/10	521941	5394476	21	C	70	-99.00	259	0.05	4.84	42.0	38	3	490	477	0.81	5.0	0.52	0.16	52	46.7	15	16.9	66	39	1.0	47.7	2.30	1.1	3.9	3.41
5257	08-5257	12A/10	523221	5394987	21	C	60	-99.00	251	0.05	5.41	13.0	15	2	290	305	0.57	33.0	0.56	0.05	29	29.0	6	8.9	62	34	0.9	11.2	1.42	0.7	2.6	2.55
5258	08-5258	12A/10	522623	5394176	21	C	40	-99.00	245	0.05	5.29	27.0	26	2	360	387	0.77	12.0	0.55	0.05	50	52.0	11	13.3	56	43	1.0	29.2	1.80	0.8	2.9	2.94
5259	08-5259	12A/10	520851	5394056	21	C	55	-99.00	261	0.05	4.57	34.0	31	2	350	335	0.68	15.0	0.66	0.05	52	44.3	13	14.7	62	39	0.7	32.1	1.92	0.7	3.1	2.84
5260	08-5260	12A/10	521230	5394924	21	C	50	-99.00	257	0.05	4.98	35.0	33	2	330	337	0.68	24.0	0.63	0.05	44	42.2	9	11.9	62	43	0.8	27.1	1.67	0.6	3.0	2.86
5262	08-5262	12A/10	520328	5393224	21	C	55	-99.00	260	0.05	5.12	22.0	21	3	450	459	0.69	31.0	0.49	0.05	42	33.6	17	18.1	68	42	1.1	45.8	2.04	1.1	3.4	3.21
5263	08-5263	12A/10	5393729	5393729	21	C	40	-99.00	276	0.05	5.39	51.1	47	3	440	442	0.74	15.0	0.43	0.25	45	40.5	19	19.9	54	38	1.1	46.6	1.46	0.6	4.4	4.32
5264	08-5264	12A/10	517137	5392661	21	C	50	-99.00	301	0.05	4.72	33.0	30	5	360	375	0.76	4.0	0.77	0.26	40	33.4	10	13.3	53	34	1.0	27.3	2.28	1.0	3.1	2.96
5265	08-5265	12A/10	516333	5391930	21	C	60	-99.00	330	0.05	4.83	53.3	49	4	390	396	0.70	10.0	0.60	0.05	43	35.4	13	15.2	43	28	1.1	34.9	1.65	0.6	3.5	3.35
5266	08-5266	12A/10	516847	5391132	21	BC	40	-99.00	309	0.05	6.31	42.0	44	5	410	478	0.72	49.0	0.37	0.18	37	36.9	15	16.9	51	36	1.1	27.5	1.68	0.3	3.4	3.53
5267	08-5267	12A/10	530351	5374725	21	C	45	-99.00	281	0.05	5.92	11.0	12	5	210	215	0.55	17.0	1.22	0.13	46	37.1	10	14.3	70	55	0.25	25.4	3.03	0.9	3.6	3.42
5268	08-5268	12A/10	502766	5373696	21	C	55	-99.00	288	0.05	6.02	8.5	8	3	270	285	0.56	6.0	1.19	0.20	40	29.3	15	20.5	87	65	0.7	12.3	2.52	1.3	4.5	4.28
5269	08-5269	12A/10	502026	5372806	21	C	50	-99.00	278	0.05	5.81	10.0	10	3	240	239	0.54	10.0	1.41	0.05	43	30.4	14	17.3	82	69	0.6	24.6	3.16	1.2	3.8	3.66
5270	08-5270	12A/10	508283	5384503	21	C	90	-99.00	300	0.05	4.53	55.0	48	5	240	265	0.58	1.0	0.62	0.05	38	25.6	16	17.2	33	24	0.6	49.8	2.17	1.0	4.5	4.13
5272	08-5272	12A/10	507917	5395476	21	C	50	-99.00	291	0.05	4.23	24.0	22	2	270	266	0.47	3.0	0.58	0.05	36	22.2	9	10.0	35	21	0.9	23.1	1.27	0.6	3.2	2.97
5273	08-5273	12A/10	507540	5384738	21	C	90	-99.00	301	0.05	4.00	62.7	53	6	270	250	0.56	2.0	0.49	0.05	43	30.2	18	17.3	36	19	0.7	54.7	2.21	0.9	4.6	4.14
5274	08-5274	12A/10	506976	5384637	21	C	80	-99.00	298	0.05	4.72	50.0	44	10	300	280	0.66	9.0	0.69	0.05	43	30.1	17	17.5	51	28	0.9	59.1	1.66	0.9	4.1	3.83
5275	08-5275	12A/10	507651	5383863	21	BC	70	-99.00	311	0.05	5.19	66.4	58	9	270	272	0.56	16.0	0.45	0.29	42	30.5	15	15.2	37	19	0.7	51.4	1.75	0.9	4.2	3.94
5276	08-5276	12A/10	506821	5383547	21	BC	30	-99.00	368	0.05	4.31	27.0	23	4	210	203	0.43	12.0	0.63	0.05	27	23.7	8	10.1	29	21	0.25	25.3	1.59	0.5	3.1	3.01
5277	08-5277	12A/10	506851	5382646	21	BC	95	-99.00	316	0.20	6.57	131.0	128	11	290	318	0.98	56.0	0.44	1.31	67	66.4	50	46.5	38	39	1.1	184.6	3.52	1.1	7.1	7.21
5278	08-5278	1																														

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5303	08-5303	12A/07	519086	5368156	21	BC	45	-99.00	386	0.05	5.64	24.0	20	13	310	311	0.80	6.0	0.70	0.05	54	42.1	10	14.0	55	41	1.3	38.8	1.87	1.3	3.8	3.72
5304	08-5304	12A/07	519965	5368927	21		-99	-99.00	354	0.05	5.05	40.0	32	9	310	290	0.69	5.0	0.82	0.33	51	46.0	23	24.5	36	32	0.9	64.7	2.63	0.9	4.3	4.44
5305	08-5305	12A/07	520681	5369294	21	C	50	-99.00	363	0.05	5.21	20.0	16	5	320	300	0.78	7.0	0.61	0.16	66	51.8	14	16.6	48	40	1.5	37.1	1.60	0.8	3.9	3.86
5306	08-5306	12A/10	521820	5372781	21	C	45	-99.00	416	0.05	5.50	35.0	30	13	360	350	0.80	0.5	0.96	0.36	45	38.1	22	22.5	43	36	1.1	57.9	2.65	1.2	5.1	4.77
5307	08-5307	12A/10	506477	5374980	21	C	50	-99.00	290	0.05	5.87	22.0	19	5	330	324	0.60	5.0	1.00	0.11	43	31.0	12	15.9	76	58	0.9	31.0	2.36	1.1	4.2	3.86
5308	08-5308	12A/10	505021	5373504	21	C	40	-99.00	308	0.05	5.72	6.5	6	2	320	307	0.59	3.0	1.81	0.17	40	22.7	16	22.1	81	55	0.8	5.8	3.04	1.3	4.4	4.03
5309	08-5309	12A/10	516963	5374476	21	C	35	-99.00	348	0.05	5.94	12.0	13	2	240	268	0.71	13.0	0.90	0.12	51	33.4	13	18.4	46	39	1.5	20.8	2.69	1.2	2.9	3.00
5310	08-5310	12A/10	508882	5376857	21		-99	-99.00	324	0.50	6.50	21.0	16	15	260	325	1.66	29.0	0.93	0.87	84	69.5	89	76.7	110	104	1.7	33.5	5.78	20	10.0	9.50
5311	08-5311	12A/10	510438	5378322	21	BC	35	-99.00	335	0.05	5.74	17.0	16	7	300	316	0.62	13.0	0.88	0.14	50	45.0	9	16.5	60	49	0.9	42.7	2.46	1.2	3.8	4.00
5312	08-5312	12A/10	519060	5377771	21	BC	45	-99.00	326	0.05	5.94	36.0	37	16	200	232	0.71	61.0	0.46	0.31	34	26.5	14	18.9	34	40	1.1	42.6	1.03	0.7	4.6	4.91
5313	08-5313	12A/10	523933	5381018	21	BC	45	-99.00	328	0.05	5.72	42.0	27	3	270	294	0.64	37.0	0.60	0.18	43	36.7	9	13.4	58	61	3.3	12.0	0.94	0.6	6.2	6.80
5314	08-5314	12A/10	523080	5383426	21	BC	40	-99.00	292	0.05	6.24	26.0	41	2	440	488	1.05	24.0	0.17	0.10	38	31.3	21	23.5	53	47	1.0	43.6	1.91	1.0	3.8	4.04
5315	08-5315	12A/10	517121	5381526	21	C	35	-99.00	337	0.05	5.28	20.0	18	5	350	372	0.62	1.0	0.49	0.05	40	29.0	12	16.3	44	34	2.0	15.3	1.32	0.9	3.6	3.65
5316	08-5316	12A/10	513076	5381433	21	C	-99	-99.00	354	0.20	5.41	25.0	35	2	340	390	0.70	8.0	0.45	1.53	56	47.6	23	24.9	31	29	1.4	19.9	1.30	1.0	3.6	3.92
5317	08-5317	12A/10	511758	5380142	21	BC	50	-99.00	324	0.05	5.41	35.0	24	4	220	243	0.79	32.0	0.84	0.42	48	44.9	12	16.6	51	43	0.9	30.6	3.96	1.1	5.2	5.50
5318	08-5318	12A/10	511398	5382667	21	BC	30	-99.00	295	0.05	5.35	10.0	10	2	270	271	0.56	6.0	0.78	0.12	44	32.2	11	13.0	52	35	0.9	15.7	1.69	1.1	3.0	3.08
5319	08-5319	12A/10	511330	5385113	21	BC	50	-99.00	308	0.05	8.18	43.0	39	4	140	147	0.57	7.0	0.06	0.70	26	16.6	39	35.2	5	15	1.0	159.8	1.18	0.9	10.0	10.04
5320	08-5320	12A/10	514452	5385073	21	BC	30	-99.00	337	0.05	5.33	22.0	22	2	360	395	0.88	16.0	0.51	0.26	62	38.9	14	16.9	66	59	1.7	19.2	1.03	0.8	4.4	4.77
5321	08-5321	12A/10	503680	5386110	21	C	40	-99.00	307	0.05	5.57	25.0	23	4	280	305	0.71	20.0	0.40	0.14	50	54.3	21	23.5	53	47	1.0	43.6	1.91	1.0	3.8	4.04
5322	08-5322	12A/10	502300	5372122	21	C	50	-99.00	286	0.05	5.67	50.5	43	16	280	265	0.86	5.0	1.51	0.43	63	50.4	22	27.5	86	61	1.1	46.9	3.86	1.6	5.6	5.28
5323	08-5323	12A/07	502268	5369492	21	C	35	-99.00	344	0.05	5.45	5.8	6	6	190	205	0.33	3.0	1.32	0.15	32	21.4	7	12.5	50	43	0.9	1.8	1.65	1.0	2.5	2.62
5325	08-5325	12A/07	501895	5368139	21	BC	50	-99.00	327	0.05	5.06	33.0	28	7	240	228	0.57	6.0	1.23	0.16	49	35.5	10	16.8	48	35	0.9	34.1	2.85	1.2	4.1	3.91
5326	08-5326	12A/07	503608	5365474	21	BC	45	-99.00	383	0.05	6.74	14.0	16	0.5	200	230	0.82	31.0	0.93	0.39	31	25.4	19	24.1	79	81	2.2	18.0	2.83	1.1	5.7	6.11
5327	08-5327	12A/07	504629	5368338	21	C	50	-99.00	369	0.05	4.65	56.2	51	9	180	182	0.65	27.0	0.93	0.20	52	38.4	19	21.4	48	35	0.8	31.2	1.70	0.9	4.2	3.92
5328	08-5328	12A/07	504772	5361329	21	C	50	-99.00	376	0.05	5.75	85.6	79	5	220	228	1.38	22.0	0.95	0.20	49	39.0	11	15.3	60	49	3.3	23.7	2.39	0.8	3.9	3.88
5329	08-5329	12A/07	507192	5361392	21	C	30	-99.00	413	0.05	5.49	83.2	70	4	280	249	1.99	14.0	0.83	0.10	61	49.3	15	16.9	51	41	5.0	35.6	1.94	1.1	3.8	3.52
5330	08-5330	12A/07	506362	5363630	21	BC	45	-99.00	362	0.05	6.51	116.0	116	3	290	343	1.03	40.0	0.47	0.23	40	23.6	21	22.2	77	74	2.3	43.5	1.46	0.9	5.8	6.33
5331	08-5331	12A/07	505204	5365370	21	C	60	-99.00	360	0.05	5.96	27.0	24	3	240	252	0.78	26.0	1.00	0.26	53	42.7	23	26.0	44	47	1.1	35.8	2.47	0.8	4.4	4.40
5332	08-5332	12A/07	504445	5367617	21	BC	45	-99.00	314	0.05	6.01	69.3	62	8	280	295	0.68	25.0	1.19	0.32	59	53.6	22	27.8	52	51	1.0	67.2	4.73	1.4	5.6	5.60
5333	08-5333	12A/07	507052	5370810	21	BC	35	-99.00	371	0.05	5.80	9.4	9	5	240	259	0.35	4.0	1.11	0.13	36	19.9	10	15.8	51	45	0.8	5.9	1.60	1.0	3.0	3.07
5334	08-5334	12A/07	508335	5371208	21	C	40	-99.00	375	0.05	5.42	13.0	12	3	300	318	0.53	2.0	0.87	0.10	44	14.1	9	17.2	36	33	2.1	10.7	0.73	1.1	3.0	3.18
5335	08-5335	12A/07	512027	5370055	21	C	50	-99.00	328	0.05	5.98	17.0	17	5	230	243	0.71	33.0	0.68	0.05	39	30.9	11	13.9	44	41	1.2	35.2	1.39	0.8	3.5	3.61
5336	08-5336	12A/07	513568	5371182	21	C	60	-99.00	347	0.05	6.10	10.0	10	6	270	268	0.75	19.0	0.87	0.05	42	32.6	11	13.5	43	38	1.1	31.7	1.76	1.1	3.2	3.23
5337	08-5337	12A/07	515424	5371227	21	BC	35	-99.00	327	0.05	6.20	16.0	16	2	190	199	0.64	46.0	0.74	0.23	35	28.6	16	16.6	49	42	0.9	31.9	1.58	0.8	3.8	3.86
5338	08-5338	12A/07	519589	5371043	21	BC	50	-99.00	389	0.05	5.68	17.0	38	5	220	352	1.37	41.0	0.44	0.05	41	57.2	21	18.2	49	48	0.7	48.3	1.44	0.8	4.9	4.10
5339	08-5339	12A/07	524311	5368667	21	BC	30	-99.00	371	0.05	6.40	42.0	16	4	360	236	0.63	17.0	0.65	0.30	88	33.3	16	22.2	49	40	3.6	39.6	1.44	1.1	4.1	4.79
5340	08-5340	12A/07	527406	5371229	21	BC	30	-99.00	317	0.05	7.83	3.1	7	0.5	590	642	2.68	1.0	0.01	0.05	130	75.5	1	6.6	84	85	7.7	2.6	0.74	1.9	1.1	1.08
5341	08-5341	12A/07	530242	5371017	21	BC	45	-99.00	356	0.05	8.63	7.9	9	0.5	460	498	2.61	77.0	0.11	0.05	100	61.3	8	9.4	88	79	4.1	18.9	1.46	1.5	4.7	4.36
5343	08-5343	12A/07	509494	5365477	21	BC	45	-99.00	365	0.05	4.96	15.0	14	13	200	201	0.56	20.0	0.78	0.05	50	39.9	10	12.9	45	34	0.9	23.8	1.46	0.9	3.4	3.11
5344	08-5344	12A/07	517454	5365555	21	BC	55	-99.00	361	0.05	4.92	17.0	16	28	180	180	0.52	43.0	0.83	0.17	45	34.7	10	12.3	45	32	0.7	25.2	1.48	0.9	3.9	3.66
5345	08-5345	12A/07	513802	5365381	21	C	45	-99.00	348	0.05	4.58	25.0	22	9	190	189	0.72	25.0	0.54	0.21	57	34.6	13	14.4	50	32	1.2	21.8	1.10	1.0	3.7	3.27
5346	08-5346	12A/07	515608	5363954	21	C	40	-99.00	365	0.05	4.61	13.0	11	3	260	248	0.67	1.0	0.88	0.05	57	31.2	9	11.8	49	34	1.2	46.6	1.84	1.1	3.1	2.67
5347	08-5347	12A/07	517454	5363668																												

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5370	08-5370	12A/10	519217	5385711	21	C	25	-99.00	293	0.05	4.97	15.0	14	4	280	285	0.49	4.0	0.60	0.05	39	34.0	7	11.3	35	31	1.4	9.6	1.43	0.8	3.0	3.06
5371	08-5371	12A/10	520924	5387388	21	C	50	-99.00	320	0.05	5.26	17.0	16	4	290	309	0.62	9.0	0.47	0.13	47	33.1	12	14.1	54	36	1.5	34.3	1.28	0.8	3.2	3.25
5372	08-5372	12A/10	522057	5388644	21	C	50	-99.00	287	0.05	5.30	27.0	25	5	330	356	0.80	14.0	0.41	0.05	64	57.7	9	12.0	49	40	1.7	51.2	1.82	0.8	3.8	3.76
5373	08-5373	12A/10	524597	5389416	21	BC	50	-99.00	310	0.05	5.00	13.0	21	5	360	351	0.73	2.0	0.71	0.05	65	45.1	12	15.4	65	38	1.6	26.5	2.18	1.0	3.0	2.77
5374	08-5374	12A/10	526111	5388663	21	C	40	-99.00	319	0.10	5.46	22.0	21	7	360	384	0.81	23.0	0.49	0.05	53	39.6	18	20.9	59	42	1.7	63.6	1.24	0.9	3.5	3.33
5375	08-5375	12A/06	499861	5366086	21	C	50	-99.00	280	0.05	4.57	9.1	8	2	190	198	0.49	8.0	1.37	0.05	37	22.0	7	14.1	70	34	0.9	1.6	1.31	0.9	3.4	2.98
5376	08-5376	12A/06	499482	5362296	21	BC	60	-99.00	382	0.05	6.28	25.0	26	12	180	220	0.89	74.0	1.11	0.23	110	99.4	9	15.9	49	40	2.0	23.0	4.88	1.0	4.9	4.68
5377	08-5377	12A/06	499176	5361296	21	BC	45	-99.00	390	0.05	5.51	26.0	24	18	265	184	0.86	54.0	1.74	0.27	67	57.8	18	22.3	81	82	2.3	22.4	3.64	1.0	5.8	5.73
5378	08-5378	12A/06	496942	5361305	21	BC	45	-99.00	351	0.05	7.85	24.0	25	0.5	95	116	1.01	111.0	1.18	0.25	31	28.2	13	17.8	100	83	2.5	26.2	3.85	1.0	5.8	5.65
5379	08-5379	12A/06	495624	5358854	21	BC	50	-99.00	421	0.05	5.73	27.0	26	3	210	214	1.11	41.0	1.48	0.27	46	36.3	12	16.5	98	69	1.9	21.6	2.84	1.0	3.9	3.74
5381	08-5381	12A/06	497208	5358696	21	B	40	-99.00	365	0.05	6.56	13.0	14	0.5	160	160	1.06	63.0	1.36	0.15	41	21.5	11	15.3	130	81	1.4	21.3	1.93	1.0	3.0	2.80
5382	08-5382	12A/06	499702	5359682	21	C	45	-99.00	369	0.05	4.95	34.0	29	5	230	223	0.98	11.0	1.15	0.12	53	36.9	10	13.8	58	40	1.7	23.9	2.36	1.3	3.7	3.24
5383	08-5383	12A/07	502401	5359355	21	BC	45	-99.00	382	0.05	4.97	16.0	15	2	230	231	1.44	21.0	1.25	0.05	37	20.9	7	11.8	48	38	2.8	5.9	1.59	0.9	2.6	2.36
5384	08-5384	12A/07	504669	5359266	21	B	40	-99.00	413	0.05	5.49	6.0	6	0.5	220	214	1.43	22.0	1.42	0.05	69	31.2	7	14.1	63	58	4.2	5.4	2.00	0.8	2.4	2.28
5385	08-5385	12A/07	507003	5359266	21	B	40	-99.00	442	0.05	5.73	10.0	9	0.5	87	97	1.94	37.0	3.60	0.39	26	20.8	19	29.9	100	103	5.5	0.5	4.99	1.2	6.1	6.05
5386	08-5386	12A/07	508891	5360035	21	BC	45	-99.00	495	0.05	5.35	17.0	18	0.5	200	223	1.33	37.0	0.73	0.12	33	18.9	5	12.3	44	34	4.0	1.8	1.76	0.3	3.6	3.78
5387	08-5387	12A/07	510417	5363714	21	C	45	-99.00	370	0.05	6.17	410.0	400	6	200	203	0.97	59.0	0.55	0.05	37	31.5	12	16.4	53	48	2.4	30.8	1.91	1.0	4.4	4.46
5388	08-5388	12A/07	511772	5361957	21	BC	40	-99.00	396	0.05	6.36	51.9	49	0.5	180	185	1.29	46.0	0.63	0.05	36	23.1	5	9.3	34	34	4.1	16.1	1.21	0.6	3.7	3.69
5389	08-5389	12A/07	512271	5360743	21	BC	40	-99.00	381	0.05	4.73	40.0	39	0.5	230	272	1.03	36.0	0.47	0.21	31	28.4	2	10.4	28	25	3.4	7.9	2.05	0.6	6.2	6.67
5390	08-5390	12A/07	510765	5359647	21	C	40	-99.00	403	0.05	6.09	41.0	42	3	160	184	0.82	72.0	0.67	0.15	33	26.0	7	11.0	38	40	2.4	17.3	1.41	0.3	3.9	4.07
5391	08-5391	12A/07	508950	5357141	21	BC	55	-99.00	503	0.05	5.59	8.2	8	3	300	291	1.28	2.0	1.09	0.05	57	36.6	9	14.5	55	42	2.2	11.5	1.98	1.0	2.9	2.68
5392	08-5392	12A/07	509952	5355482	21	BC	55	-99.00	404	0.05	4.95	10.0	9	2	260	263	1.85	8.0	0.90	0.05	57	30.5	6	8.9	37	26	3.2	5.4	2.54	0.8	2.0	1.76
5393	08-5393	12A/07	507765	5355329	21	C	50	-99.00	415	0.05	6.37	15.0	17	0.5	250	264	2.08	58.0	0.62	0.05	70	37.8	7	12.9	82	63	2.5	8.0	1.58	1.0	4.0	3.86
5394	08-5394	12A/07	510015	5352440	21	BC	40	-99.00	422	0.05	5.37	17.0	17	29	210	219	1.78	58.0	0.76	0.05	58	31.0	5	7.9	31	26	2.1	6.1	2.42	0.9	2.5	2.21
5395	08-5395	12A/07	505824	5355090	21	BC	45	-99.00	433	0.05	5.66	17.0	18	5	250	259	1.88	47.0	0.74	0.05	56	28.4	7	9.4	51	36	2.9	16.2	1.21	0.8	2.6	2.44
5396	08-5396	12A/07	501133	5355553	21	BC	35	-99.00	411	0.05	6.25	148.0	148	0.5	180	188	1.43	87.0	0.77	0.11	44	28.6	7	11.4	34	23	4.3	10.1	1.51	0.8	3.5	3.38
5397	08-5397	12A/06	499017	5355464	21	C	70	-99.00	479	0.05	6.24	10.0	12	0.5	220	231	1.90	93.0	0.98	0.05	41	21.2	5	8.5	39	33	1.9	4.2	1.81	1.0	2.6	2.55
5398	08-5398	12A/06	496992	5355363	21	C	50	-99.00	468	0.05	6.62	47.0	44	2	290	306	2.13	23.0	1.20	0.05	58	28.4	16	21.1	100	78	4.5	34.1	2.34	0.8	4.4	4.70
5399	08-5399	12A/06	498394	5364542	21	B	50	-99.00	298	0.05	4.68	10.0	10	0.5	77	100	1.02	53.0	1.37	0.38	28	23.6	12	26.6	41	34	1.0	10.4	2.26	0.7	7.8	8.02
5400	08-5400	12A/06	492068	5355531	21	C	45	-99.00	363	0.05	5.86	39.0	38	6	200	228	0.80	52.0	1.17	0.15	35	16.6	11	19.1	93	64	2.6	10.1	1.52	0.8	4.7	4.60
5402	08-5402	12A/06	492843	5352902	21	C	70	-99.00	372	0.05	6.38	12.0	13	0.5	220	240	1.89	42.0	1.07	0.05	47	23.0	5	9.3	59	37	2.1	12.2	1.70	0.9	2.9	2.76
5403	08-5403	12A/06	494952	5352902	21	C	45	-99.00	390	0.05	5.97	20.0	20	0.5	220	240	1.89	42.0	1.07	0.05	54	30.0	7	11.0	73	43	2.3	9.0	1.51	1.0	2.7	2.55
5405	08-5405	12A/06	492511	5351081	21	C	55	-99.00	411	0.05	5.60	14.0	12	2	310	283	2.62	3.0	1.32	0.05	62	26.5	10	13.8	100	47	2.3	19.7	3.67	1.3	3.2	2.93
5406	08-5406	12A/06	493245	5348405	21	C	45	-99.00	452	0.05	5.65	12.0	12	2	250	260	2.29	37.0	1.31	0.05	66	27.2	6	9.2	37	30	2.1	5.0	2.21	1.1	1.9	1.76
5407	08-5407	12A/06	490508	5350630	21	C	40	-99.00	413	0.05	6.38	10.0	10	0.5	230	260	2.16	51.0	1.23	0.05	69	35.4	6	10.8	55	37	2.6	7.5	2.92	1.1	2.4	2.46
5408	08-5408	12A/06	487906	5350810	21	C	40	-99.00	441	0.05	5.70	36.0	30	3	270	263	1.89	22.0	1.59	0.05	52	26.5	10	13.8	100	47	2.3	19.7	3.67	1.3	3.2	2.93
5409	08-5409	12A/06	486298	5350805	21	BC	35	-99.00	501	0.05	5.82	53.2	47	9	280	267	1.92	28.0	1.33	0.19	68	32.4	12	17.4	87	57	4.5	32.6	3.69	1.1	4.7	4.45
5410	08-5410	12A/06	484532	5350070	21	C	40	-99.00	421	0.05	5.60	137.0	121	6	220	226	1.24	20.0	1.66	0.46	65	45.4	23	28.6	94	65	2.4	40.7	4.45	1.4	5.0	4.70
5411	08-5411	12A/06	482483	5350709	21	C	35	-99.00	465	0.05	6.61	58.0	53	2	250	261	1.47	49.0	2.01	0.32	67	42.8	21	27.5	100	86	5.1	44.2	4.23	1.2	5.7	5.33
5412	08-5412	12A/06	480143	5351633	21	C	25	-99.00	380	0.05	6.13	113.0	107	10	150	169	1.03	57.0	1.64	0.32	44	30.6	15	23.3	78	66	1.9	44.9	3.00	1.1	5.1	4.96
5413	08-5413	12A/06	497251	5351484	21	BC	40	-99.00	448	0.05	6.35	12.0	11	4	290	302	2.43	24.0	0.99	0.05	65	35.4	4	7.0	26	19	2.8	2.4	2.35	0.9	2.4	2.15
5415	08-5415	12A/07	509423	5358531	21	BC	60	-99.00	478	0.05	5.94	60.8	60	3	170	201	1.41	94.0	0.55	0.24	38	31.0	13	15.7	48	44	3.3	16.8	2.39	0.9	4.3	4.37
5416	08-5416	12A/10	512808	5383																												

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5438	08-5438	12A/10	529746	5394351	21	C	50	-99.00	274	0.05	5.63	12.0	12	5	370	386	0.92	15.0	0.49	0.05	65	43.5	11	14.3	62	52	31	25.7	1.17	0.9	3.2	3.15
5439	08-5439	12A/10	529662	5395471	21	C	50	-99.00	304	0.05	5.47	34.0	31	7	370	380	0.94	8.0	0.58	0.05	67	48.4	19	20.2	65	46	2.2	74.9	1.84	1.0	4.3	4.09
5440	08-5440	12A/10	529580	5396742	21	C	80	-99.00	271	0.05	5.32	13.0	17	14	400	401	0.75	0.5	0.90	0.05	42	35.5	11	13.4	85	46	1.2	25.6	2.25	0.7	3.1	2.95
5442	08-5442	12A/10	529482	5397691	21	C	80	-99.00	258	0.05	5.07	19.0	12	4	340	322	0.75	8.0	0.70	0.05	49	44.3	14	15.5	61	38	1.3	39.4	1.96	0.6	3.3	3.00
5443	08-5443	12A/10	529524	5398847	21	C	90	-99.00	239	0.05	5.28	28.0	25	6	430	400	1.06	1.0	0.89	0.05	58	44.9	18	17.3	81	45	1.4	47.1	2.32	1.1	3.8	3.35
5444	08-5444	12A/15	529580	5399881	21	C	90	-99.00	199	0.05	4.83	21.0	18	4	400	361	0.76	1.0	1.13	0.05	50	41.7	13	14.3	87	45	0.9	39.1	2.48	0.9	3.1	2.74
5445	08-5445	12A/15	530513	5400087	21	C	50	-99.00	192	0.05	5.00	15.0	15	5	390	352	0.85	5.0	0.98	0.05	43	33.5	13	14.4	80	45	1.0	25.7	1.94	0.8	3.1	2.79
5446	08-5446	12A/15	533617	5400628	21	C	70	-99.00	182	0.05	5.31	17.0	16	3	320	314	0.74	9.0	0.90	0.20	63	52.3	17	15.0	66	41	1.2	45.5	2.03	1.2	3.2	2.97
5447	08-5447	12A/10	535040	5387860	21	C	100	-99.00	273	0.05	5.27	25.0	23	4	260	267	0.72	0.5	1.19	0.28	63	39.5	26	23.8	39	24	1.0	46.5	3.58	2.1	5.0	3.91
5449	08-5449	12A/10	535247	5389043	21	C	80	-99.00	270	0.05	5.74	19.0	17	3	300	297	0.80	3.0	1.41	0.18	63	44.4	26	23.2	63	34	1.8	44.4	3.57	1.8	5.3	4.27
5450	08-5450	12A/10	534417	5390673	21	BC	50	-99.00	242	0.05	5.95	41.0	35	11	290	294	0.98	14.0	1.07	0.30	71	51.5	28	27.0	61	41	2.1	75.6	2.82	1.3	6.3	5.15
5451	08-5451	12A/10	534571	5390633	21	C	60	-99.00	223	0.05	5.76	13.0	13	4	270	261	0.64	3.0	1.04	0.38	53	39.7	22	27.2	60	31	1.3	48.3	4.22	1.3	4.6	4.17
5452	08-5452	12A/10	535580	5390166	21	C	100	-99.00	244	0.05	6.00	27.0	24	7	350	346	1.02	3.0	1.08	0.23	65	47.1	24	26.8	46	39	2.8	70.7	3.26	1.1	5.3	4.89
5453	08-5453	12A/10	536020	5391133	21	C	60	-99.00	269	0.05	5.50	49.0	42	9	350	342	0.86	8.0	0.91	0.20	70	48.8	24	26.7	54	44	2.5	58.5	2.15	1.2	6.0	5.43
5454	08-5454	12A/10	535863	5392066	21	C	60	-99.00	228	0.05	5.97	15.0	14	5	270	268	0.65	22.0	1.15	0.14	56	43.1	40	39.6	46	35	1.7	48.4	2.51	1.3	4.5	4.23
5455	08-5455	12A/10	535319	5392780	21	C	50	-99.00	198	0.05	5.52	14.0	14	19	310	300	0.70	13.0	1.04	0.05	54	41.7	14	19.7	56	36	1.6	34.4	2.41	1.2	3.9	3.67
5456	08-5456	12A/10	534287	5393791	21	BC	50	-99.00	261	0.10	5.57	41.0	38	9	300	287	0.90	18.0	0.71	0.16	59	46.7	11	15.7	61	47	2.3	50.8	1.89	1.1	4.9	4.90
5457	08-5457	12A/10	533532	5394517	21	C	60	-99.00	258	0.05	5.51	63.1	55	10	310	325	1.19	3.0	0.71	0.16	90	64.3	25	28.7	65	50	3.1	113.7	3.47	1.7	5.9	5.96
5458	08-5458	12A/10	532560	5394815	21	C	50	-99.00	291	0.05	6.36	48.0	43	10	390	393	1.57	3.0	0.30	0.10	86	60.8	12	15.8	85	70	5.1	92.1	2.20	1.5	6.0	6.09
5459	08-5459	12A/10	531714	5395153	21	C	45	-99.00	295	0.20	5.74	42.0	39	8	390	424	1.36	1.0	0.44	0.05	71	44.0	31	31.2	81	54	3.4	98.9	2.08	0.8	5.2	5.22
5460	08-5460	12A/10	530773	5394852	21	C	45	-99.00	269	0.05	5.89	28.0	27	8	400	415	1.30	6.0	0.40	0.12	73	39.4	36	34.6	69	56	3.6	90.6	1.42	0.9	4.3	4.35
5462	08-5462	12A/10	531956	5390927	21	C	55	-99.00	273	0.05	4.41	35.0	30	13	310	345	1.09	17.0	0.63	0.10	63	59.0	22	25.2	53	49	3.0	84.7	2.83	1.1	5.0	5.06
5463	08-5463	12A/10	532991	5390927	21	BC	45	-99.00	283	0.10	5.53	39.0	36	5	300	374	1.16	3.0	0.63	0.29	83	73.5	33	34.0	53	46	2.2	93.8	3.53	1.3	5.5	5.13
5464	08-5464	12A/10	530994	5390597	21	BC	40	-99.00	284	0.05	5.44	47.0	40	8	390	374	1.16	3.0	0.63	0.29	83	73.5	33	34.0	53	46	2.2	93.8	3.53	1.3	5.5	5.13
5465	08-5465	12A/10	507958	5392157	21	C	80	-99.00	315	0.05	4.28	57.0	48	5	240	225	0.48	0.5	0.57	0.21	33	27.3	16	16.4	33	21	0.25	42.8	2.41	1.1	3.9	3.76
5466	08-5466	12A/10	507978	5381413	21	C	60	-99.00	327	0.05	4.92	37.0	31	4	270	256	0.56	4.0	0.47	0.19	42	31.9	15	14.6	31	25	0.5	44.7	2.15	1.1	3.9	3.87
5467	08-5467	12A/10	507922	5381203	21	C	50	-99.00	336	0.05	5.59	45.0	39	6	340	325	0.66	8.0	0.40	0.18	45	38.9	22	21.2	41	34	1.1	59.2	1.12	1.2	4.9	4.79
5468	08-5468	12A/10	508620	5379504	21	C	40	-99.00	321	0.05	5.80	26.0	24	4	280	291	0.76	16.0	0.51	0.17	94	84.6	63	55.7	46	40	0.7	70.9	2.43	1.5	4.2	4.26
5469	08-5469	12A/10	508593	5378694	21	C	70	-99.00	311	0.05	4.89	45.0	37	7	230	237	0.54	12.0	0.65	0.24	47	37.3	16	16.3	48	34	0.7	59.3	2.51	0.9	4.6	4.23
5470	08-5470	12A/10	505793	5378101	21	C	70	-99.00	353	0.05	6.15	14.0	12	6	350	321	0.73	1.0	0.72	0.25	49	29.8	26	23.5	61	58	0.7	65.6	2.22	1.3	5.4	5.12
5471	08-5471	12A/10	506677	5377223	21	BC	50	-99.00	305	0.05	5.43	41.0	32	6	260	245	0.57	8.0	0.77	0.31	46	30.3	22	21.0	61	50	0.7	64.0	2.92	1.1	5.2	4.80
5472	08-5472	12A/10	506652	5376770	21	C	-99	-99.00	303	0.05	5.34	31.0	25	3	310	282	0.58	2.0	0.95	0.28	38	30.2	19	19.0	65	58	0.7	47.1	2.62	1.2	4.9	4.65
5473	08-5473	12A/10	504878	5375926	21	C	50	-99.00	297	0.05	6.65	23.0	21	4	200	223	0.59	18.0	1.00	0.35	43	30.3	19	19.9	78	74	0.6	42.4	2.22	1.2	5.1	4.42
5474	08-5474	12A/10	504403	5376649	21	C	60	-99.00	298	0.05	5.58	24.0	21	5	320	298	0.63	1.0	0.84	0.25	43	30.1	22	21.1	53	50	0.8	52.7	2.41	1.3	4.9	4.64
5475	08-5475	12A/10	504874	5377112	21	C	-99	-99.00	308	0.05	5.31	30.0	28	5	290	286	0.58	3.0	0.60	0.19	41	25.5	15	15.3	43	32	0.7	50.7	2.35	1.0	4.7	4.26
5476	08-5476	12A/10	503650	5378550	21	C	50	-99.00	356	0.05	4.94	37.0	33	8	190	198	0.45	14.0	0.56	0.27	35	21.0	15	14.9	30	23	0.25	51.9	1.54	0.9	4.3	3.87
5477	08-5477	12A/10	520005	5375658	21	C	60	-99.00	341	0.05	6.12	14.0	13	0.5	320	324	0.75	21.0	0.65	0.12	47	31.6	10	13.3	55	42	1.4	55.2	1.67	0.8	3.8	3.76
5478	08-5478	12A/10	519511	5374931	21	C	45	-99.00	384	0.05	5.55	16.0	15	9	310	316	0.71	14.0	0.97	0.05	49	31.8	10	12.2	49	35	1.3	31.4	2.57	1.3	3.8	3.62
5479	08-5479	12A/10	518900	5374134	21	C	40	-99.00	335	0.05	5.78	7.1	7	0.5	270	272	0.50	3.0	0.88	0.05	36	18.7	7	10.2	39	33	0.8	4.5	1.00	1.0	2.5	2.42
5480	08-5480	12A/10	518851	5373311	21	C	45	-99.00	401	0.05	5.68	22.0	20	3	350	346	0.77	2.0	0.10	0.17	48	35.8	19	20.3	47	42	0.9	51.1	2.67	1.2	4.9	4.46
5481	08-5481	12A/10	519311	5372594	21	BC	35	-99.00	383	0.05	5.92	21.0	19	6	280	301	0.67	13.0	0.90	0.25	54	38.7	24	22.2	47	37	0.8	86.3	1.61	0.9	4.8	4.53
5482	08-5482	12A/10	520485	5372159	21	BC	40	-99.00	390	0.05	5.33	24.0	20	3	270	262	0.62	18.0	0.77	0.05	46	29.9	12	14.6	39	33	1.3	51.3	1.56	1.3	4.7	4.33
5483	08																															

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct	
5508	08-5508	12A/10	536388	5396127	21	C	30	-99.00	270	0.05	5.86	40.0	35	8	440	425	1.26	2.0	0.42	0.05	64	58.5	12	16.5	68	57	3.8	61.4	1.82	1.1	5.6	5.48
5509	08-5509	12A/10	536083	5397445	21	C	70	-99.00	228	0.05	5.41	57.8	51	9	390	375	1.16	9.0	0.39	0.05	77	46.0	15	17.1	63	50	3.0	67.9	1.51	0.9	5.6	5.60
5510	08-5510	12A/10	534828	5398163	21	C	40	-99.00	254	0.10	5.63	45.2	54	52	370	347	1.33	13.0	0.31	0.05	74	46.4	7	10.8	67	60	4.0	81.8	1.08	0.6	6.8	6.29
5511	08-5511	12A/10	535089	5396967	21	C	65	-99.00	254	0.05	5.19	46.0	41	9	330	334	1.01	5.0	0.54	0.05	78	52.4	12	15.3	59	43	2.5	57.2	1.93	1.2	5.8	5.03
5512	08-5512	12A/10	535677	5398595	21	C	45	-99.00	319	0.05	5.58	45.0	40	9	380	376	1.20	4.0	0.42	0.05	75	63.3	13	15.9	65	53	3.4	91.1	1.31	0.9	5.5	5.31
5513	08-5513	12A/10	525149	5374284	21	BC	45	-99.00	319	0.05	5.32	19.0	17	3	250	232	0.58	7.0	1.05	0.26	46	36.0	21	21.8	48	43	0.9	45.6	1.52	1.4	5.3	4.86
5514	08-5514	12A/10	525934	5374956	21	BC	40	-99.00	350	0.05	6.46	17.0	16	3	210	228	0.68	43.0	0.68	0.16	42	36.5	19	19.9	54	53	1.3	51.1	1.63	0.9	4.9	4.69
5515	08-5515	12A/10	526715	5375531	21	BC	45	-99.00	377	0.05	5.16	12.0	13	4	240	254	0.73	3.0	0.71	0.17	54	36.8	15	15.9	62	50	1.4	40.3	1.54	1.3	4.2	3.85
5516	08-5516	12A/10	527617	5376017	21	C	45	-99.00	339	0.05	5.69	6.3	6	4	260	263	0.58	12.0	0.85	0.05	39	29.3	8	12.2	60	45	1.8	12.3	0.88	0.8	3.2	2.99
5517	08-5517	12A/10	532966	5376609	21	BC	45	-99.00	269	0.05	6.36	29.0	27	3	150	154	0.60	22.0	0.55	0.30	42	29.6	11	14.8	56	40	1.1	34.9	1.39	0.9	4.6	4.24
5518	08-5518	12A/10	532259	5375967	21	C	50	-99.00	264	0.05	5.57	40.0	34	3	190	198	0.77	13.0	0.63	0.11	47	35.9	15	17.1	64	43	1.3	35.2	1.48	1.0	4.4	3.95
5519	08-5519	12A/10	531301	5375523	21	C	45	-99.00	263	0.05	5.02	43.0	35	4	230	207	0.73	15.0	0.80	0.11	74	53.4	26	25.0	73	45	1.3	47.4	1.35	0.8	4.3	3.70
5520	08-5520	12A/10	530103	5374926	21	C	45	-99.00	280	0.05	5.63	20.0	19	3	170	177	0.68	37.0	0.58	0.24	54	44.2	12	13.3	50	42	1.2	37.9	1.40	1.0	3.8	3.56
5521	08-5521	12A/15	533992	5401081	21	C	105	-99.00	182	0.05	5.50	5.2	5	3	370	370	0.68	3.0	0.91	0.05	40	33.2	9	11.8	76	47	1.4	10.0	1.70	0.5	2.4	2.16
5524	08-5524	12A/15	534943	5401127	21	BC	45	-99.00	199	0.05	5.11	29.0	25	7	320	306	0.81	7.0	1.11	0.05	58	43.4	22	21.8	52	33	1.5	55.3	1.93	1.2	4.0	3.56
5525	08-5525	12A/16	536963	5402030	21	BC	45	-99.00	190	0.05	5.86	76.4	69	18	230	243	0.82	18.0	0.77	0.11	48	35.4	24	23.4	56	40	1.7	78.2	0.97	0.8	4.5	4.20
5526	08-5526	12A/16	537319	5401265	21	C	60	-99.00	214	0.05	5.67	37.0	32	8	420	409	1.24	2.0	0.41	0.12	87	69.4	21	21.0	66	51	3.0	77.3	1.16	1.2	5.0	4.60
5527	08-5527	12A/16	538350	5401267	21	C	50	-99.00	225	0.05	5.78	39.0	35	10	370	356	1.16	6.0	0.42	0.22	75	66.5	26	25.5	60	52	2.5	72.7	1.31	1.0	5.0	4.65
5528	08-5528	12A/16	540137	5402027	21	BC	45	-99.00	206	0.05	5.67	75.1	66	18	300	288	1.02	6.0	0.41	0.16	59	33.7	15	15.7	63	49	2.8	109.7	1.21	0.7	7.0	6.36
5529	08-5529	12A/16	539349	5401363	21	C	40	-99.00	228	0.10	5.56	14.0	13	4	330	346	1.01	12.0	0.38	0.05	67	37.0	10	13.0	63	52	3.5	26.9	0.80	1.0	3.4	3.21
5530	08-5530	12A/16	537412	5400356	21	BC	45	-99.00	231	0.30	5.79	66.0	63	11	280	281	1.15	25.0	0.31	0.16	55	28.9	10	13.4	67	55	3.2	51.3	0.90	0.8	6.7	6.63
5531	08-5531	12A/09	536929	5399565	21	C	55	-99.00	242	0.05	6.18	28.0	28	6	310	341	1.31	19.0	0.30	0.05	67	42.3	8	11.1	70	60	3.5	41.2	0.81	1.2	4.6	4.80
5532	08-5532	12A/10	536188	5398993	21	BC	45	-99.00	263	0.05	5.37	60.5	57	13	380	355	1.22	9.0	0.38	0.05	71	37.5	10	11.9	60	49	2.9	70.5	1.05	1.2	5.7	5.31
5533	08-5533	12A/10	536198	5397901	21	BC	45	-99.00	250	0.10	5.34	70.1	59	16	360	351	1.20	7.0	0.42	0.05	86	50.6	14	16.5	63	51	3.1	73.9	1.81	1.1	5.7	5.33
5534	08-5534	12A/09	536971	5397411	21	C	60	-99.00	248	0.20	5.79	64.4	57	11	370	376	1.33	8.0	0.29	0.05	79	54.0	13	15.6	60	56	4.3	93.1	1.20	1.2	6.5	6.32
5535	08-5535	12A/09	538286	5396587	21	C	60	-99.00	275	0.05	6.08	32.0	29	5	370	374	1.29	3.0	0.52	0.05	66	53.1	16	19.9	64	54	3.4	71.4	1.23	0.8	5.2	5.07
5536	08-5536	12A/09	537392	5396112	21	C	60	-99.00	268	0.05	6.15	18.0	17	5	340	352	1.14	15.0	0.58	0.05	61	41.3	11	17.3	62	56	3.6	31.7	1.31	0.8	4.4	4.38
5537	08-5537	12A/10	536615	5395191	21	C	50	-99.00	250	0.05	5.73	39.0	35	7	330	330	1.07	12.0	0.58	0.05	68	42.9	13	17.7	62	54	2.9	64.4	1.42	1.1	5.4	5.34
5538	08-5538	12A/10	539655	5395191	21	C	70	-99.00	262	0.05	5.88	41.0	37	9	400	384	1.26	2.0	0.57	0.12	73	55.5	25	27.6	64	56	3.3	80.5	2.19	1.3	5.5	5.48
5539	08-5539	12A/09	538475	5394408	21	C	40	-99.00	292	0.05	5.73	14.0	13	3	310	309	0.83	4.0	1.26	0.13	56	42.7	21	25.9	35	38	1.9	33.1	2.01	0.3	4.0	4.07
5540	08-5540	12A/09	537715	5393783	21	C	35	-99.00	271	0.05	5.37	16.0	13	4	300	283	0.69	0.5	1.52	0.21	55	38.6	17	20.9	36	31	1.6	29.5	2.84	1.3	4.2	3.88
5542	08-5542	12A/09	536845	5393896	21	C	60	-99.00	272	0.05	5.43	13.0	13	3	270	265	0.65	9.0	1.45	0.20	56	39.2	15	19.7	34	29	1.1	33.7	2.54	1.2	3.6	3.55
5543	08-5543	12A/15	527211	5399596	21	BC	40	-99.00	279	0.05	6.03	25.0	25	0.5	340	378	0.88	21.0	0.36	0.05	42	41.0	12	15.5	89	64	2.7	22.9	1.19	0.7	4.1	4.12
5544	08-5544	12A/10	526635	5398929	21	C	45	-99.00	286	0.05	5.75	15.0	15	0.5	310	338	0.68	17.0	0.55	0.05	40	33.7	11	12.9	90	52	1.6	22.2	1.30	0.9	2.7	2.69
5545	08-5545	12A/10	525918	5397917	21	BC	35	-99.00	253	0.40	11.92	219.0	220	5	990	1114	2.24	33.0	0.08	0.05	81	72.2	11	13.7	150	147	3.9	109.2	2.36	1.1	3.6	4.11
5546	08-5546	12A/10	525431	5397049	21	C	40	-99.00	257	0.05	5.01	34.0	30	3	300	285	0.72	17.0	0.89	0.05	45	35.8	24	21.7	92	47	0.6	38.6	1.56	0.8	3.1	2.92
5547	08-5547	12A/10	525419	5394779	21	C	40	-99.00	259	0.05	4.84	36.0	30	4	400	368	0.80	4.0	0.66	0.05	50	43.1	19	19.0	60	40	0.9	46.4	2.44	1.1	3.5	3.34
5548	08-5548	12A/10	525965	5395512	21	C	35	-99.00	257	0.05	4.94	36.0	31	4	320	312	0.68	8.0	0.63	0.15	44	42.5	14	15.5	71	44	0.8	48.9	1.29	0.9	3.3	3.14
5549	08-5549	12A/10	526383	5396728	21	C	40	-99.00	239	0.05	5.15	17.0	15	1.0	300	300	0.53	15.0	0.79	0.05	34	28.2	7	9.6	78	42	1.2	23.3	1.17	0.7	2.7	2.58
5550	08-5550	12A/10	524903	5397632	21	C	45	-99.00	251	0.05	4.94	59.0	48	3	310	305	0.64	1.0	0.75	0.05	44	34.8	12	13.5	70	33	0.8	34.2	2.42	1.0	3.0	2.93
5551	08-5551	12A/10	523853	5398430	21	C	40	-99.00	216	0.05	4.67	25.0	22	2	270	272	0.66	11.0	0.76	0.05	45	45.9	12	14.0	75	40	0.7	22.9	1.92	0.6	3.1	3.01
5552	08-5552	12A/10	524367	5399260	21	BC	40	-99.00	191	0.05	5.13	35.0	34	0.5	230	254	0.82	46.0	1.06	0.24	69	69.3	16	19.6	68	42	1.3	32.3	4.34	1.6	4.9	5.01
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APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct	
5576	08-5576	12A/09	540916	5395653	21	C	70	-99.00	282	0.05	5.81	20.0	17	4	290	291	0.82	7.0	1.15	0.18	75	54.9	22	24.8	48	36	2.2	45.9	3.60	1.1	4.6	4.36	
5577	08-5577	12A/09	540042	5395888	21	C	45	-99.00	287	0.05	5.89	40.0	36	4	290	292	0.89	10.0	1.29	0.31	61	46.7	23	26.5	49	40	2.7	54.0	3.96	1.2	4.5	4.53	
5578	08-5578	12A/09	538962	5396011	21	C	65	-99.00	278	0.05	5.84	25.0	24	6	310	341	1.02	9.0	0.85	0.21	71	53.4	17	20.6	58	46	2.1	54.6	3.18	0.9	4.7	4.51	
5579	08-5579	12A/09	5395288	5395288	21	C	70	-99.00	270	0.05	5.85	17.0	18	3	290	296	0.77	11.0	1.16	0.05	48	41.3	22	25.5	44	39	1.6	40.8	2.59	1.4	4.0	3.92	
5580	08-5580	12A/09	539181	5395106	21	C	8	-99.00	286	0.05	5.83	8.4	8	2	280	293	0.70	3.0	1.26	0.05	41	31.5	14	18.2	42	35	2.5	31.2	2.72	1.0	3.4	3.37	
5581	08-5581	12A/15	531511	5401984	21	BC	35	-99.00	228	0.05	5.43	11.0	12	2	290	302	0.65	24.0	0.76	0.05	33	33.3	9	11.5	88	51	1.2	30.8	1.91	0.7	3.0	2.89	
5582	08-5582	12A/15	532512	5402366	21	C	55	-99.00	213	0.05	5.44	7.2	8	3	290	315	0.68	22.0	0.76	0.05	38	32.7	9	12.0	89	43	1.6	24.0	1.64	0.3	2.7	2.67	
5583	08-5583	12A/15	533431	5402753	21	C	50	-99.00	194	0.05	5.49	14.0	12	3	510	473	0.84	0.5	1.09	0.05	49	36.5	12	12.3	71	40	1.3	25.9	2.16	0.9	3.0	2.67	
5584	08-5584	12A/15	533897	5403444	21	C	50	-99.00	203	0.05	5.35	10.0	10	0.5	330	335	0.70	10.0	1.08	0.05	38	32.6	12	13.9	110	57	1.2	25.7	2.02	0.7	2.8	2.61	
5585	08-5585	12A/15	534185	5404333	21	C	55	-99.00	250	0.05	6.10	9.5	10	5	400	424	0.72	7.0	1.01	0.05	40	40.6	19	20.5	140	79	1.9	59.1	1.94	0.3	3.5	3.53	
5586	08-5586	12A/15	534923	5405072	21	C	40	-99.00	249	0.05	6.09	6.7	7	2	310	364	0.56	13.0	0.83	0.05	30	31.2	16	20.0	140	83	2.5	28.1	1.57	0.3	3.4	3.53	
5587	08-5587	12A/16	537447	5402721	21	BC	55	-99.00	185	0.05	5.69	26.0	23	9	330	327	0.85	16.0	0.67	0.05	63	44.5	15	15.7	52	39	2.3	94.9	2.90	1.3	3.7	3.45	
5588	08-5588	12A/16	537243	5403415	21	BC	45	-99.00	209	0.05	5.81	15.0	15	2	330	330	0.66	9.0	0.67	0.05	48	45.0	9	11.5	61	41	1.4	21.4	1.95	0.8	3.4	3.44	
5589	08-5589	12A/16	538375	5403149	21	BC	50	-99.00	199	0.60	5.10	41.0	36	6	350	329	0.88	4.0	0.74	0.21	70	60.0	21	20.7	63	38	1.4	66.5	2.26	0.8	3.8	3.64	
5590	08-5590	12A/16	539344	5403564	21	BC	55	-99.00	206	0.10	5.13	23.0	21	4	320	317	0.69	10.0	0.70	0.05	44	33.0	7	10.2	52	36	1.7	22.7	1.27	0.7	2.9	2.86	
5591	08-5591	12A/16	540148	5404058	21	C	55	-99.00	208	0.05	5.15	80.9	69	11	340	334	0.94	2.0	0.65	0.21	64	49.2	16	15.9	52	37	1.6	56.7	2.37	1.2	3.9	3.58	
5592	08-5592	12A/16	540798	5404775	21	C	45	-99.00	206	0.05	5.23	12.0	11	5	350	343	0.82	11.0	0.98	0.05	67	50.7	13	13.5	65	37	1.7	39.0	2.33	1.2	3.0	2.73	
5593	08-5593	12A/16	5405505	5405505	21	C	60	-99.00	236	0.20	5.38	33.0	32	5	360	357	0.88	18.0	0.77	0.05	66	46.8	19	18.8	56	39	1.6	39.1	1.63	0.9	3.4	3.10	
5594	08-5594	12A/16	541045	5406355	21	C	40	-99.00	260	0.05	5.69	5.6	7	0.5	400	401	0.66	28.0	0.71	0.05	37	32.2	8	10.4	63	39	1.2	17.4	1.51	0.7	2.8	2.71	
5595	08-5595	12A/16	540285	5405485	21	C	40	-99.00	230	0.05	5.38	10.0	10	4	410	420	0.78	10.0	0.76	0.05	43	36.2	12	12.8	66	42	1.4	28.6	2.03	0.9	3.1	2.89	
5596	08-5596	12A/16	539395	5405069	21	C	65	-99.00	250	0.05	5.70	10.0	10	2	450	455	0.80	24.0	0.77	0.05	45	42.0	13	14.3	65	43	1.3	29.0	2.41	0.9	3.1	2.97	
5597	08-5597	12A/16	537716	5404865	21	C	35	-99.00	260	0.05	5.49	9.2	9	2	510	509	0.85	9.0	0.78	0.05	44	39.0	14	15.2	65	41	1.4	31.2	1.77	0.8	2.1	2.20	
5598	08-5598	12A/16	537716	5404865	21	C	40	-99.00	239	0.05	5.26	4.9	5	1	350	354	0.68	10.0	0.84	0.05	40	36.3	9	10.4	72	41	1.2	13.9	1.72	0.8	2.1	2.84	
5599	08-5599	12A/16	536724	5405145	21	C	35	-99.00	208	0.05	5.04	3.7	4	0.5	430	412	0.73	3.0	0.93	0.05	38	32.6	9	10.1	74	36	1.3	11.3	1.76	0.6	2.2	2.03	
5600	08-5600	12A/15	536623	5405530	21	C	45	-99.00	205	0.05	5.14	11.0	7	9	0.5	430	404	0.74	1.0	1.30	0.05	43	36.4	11	13.4	120	58	1.0	32.8	2.73	0.8	3.3	2.94
5601	08-5601	12A/15	534617	5405777	21	C	40	-99.00	253	0.05	4.90	5.1	6	0.5	320	339	0.29	3.0	0.49	0.05	31	24.4	3	7.7	73	24	2.2	2.5	0.99	0.7	0.9	0.90	
5603	08-5603	12A/15	533948	5405571	21	C	50	-99.00	247	0.05	4.95	13.0	11	3	340	333	0.74	0.5	0.83	0.05	39	31.2	14	15.1	100	48	2.3	22.4	2.09	0.9	3.2	2.79	
5604	08-5604	12A/10	534471	5387035	21	BC	40	-99.00	258	0.05	5.15	28.0	23	4	290	273	0.74	1.0	1.05	0.20	57	35.9	19	19.3	29	24	1.3	37.4	3.44	1.4	4.1	3.76	
5605	08-5605	12A/10	535038	5386405	21	C	40	-99.00	283	0.05	5.94	22.0	10	5	250	247	0.73	21.0	0.71	0.26	59	44.0	15	17.4	46	37	1.6	46.3	2.09	1.0	4.1	4.04	
5606	08-5606	12A/10	534878	5385455	21	BC	40	-99.00	311	0.05	5.99	18.0	18	8	340	252	0.80	18.0	0.71	0.12	56	45.4	18	19.5	37	33	1.3	47.9	2.02	1.0	3.8	3.81	
5607	08-5607	12A/10	534653	5384482	21	BC	35	-99.00	304	0.05	5.69	21.0	7	5	310	307	0.81	4.0	0.84	0.13	52	39.9	19	20.4	48	38	1.4	43.6	2.43	1.1	4.3	4.24	
5608	08-5608	12A/10	536234	5388768	21	C	40	-99.00	316	0.05	5.58	7.0	7	2	250	269	0.56	7.0	1.05	0.15	43	29.1	15	20.3	23	26	1.8	14.8	2.43	0.8	3.4	3.50	
5609	08-5609	12A/15	530675	5401373	21	C	40	-99.00	208	0.05	4.56	12.0	10	2	350	330	0.62	3.0	0.97	0.05	39	32.0	10	10.0	100	46	0.8	24.1	2.34	0.9	2.7	2.44	
5610	08-5610	12A/15	530391	5402339	21	BC	50	-99.00	227	0.05	4.85	8.7	8	2	360	353	0.66	4.0	0.79	0.05	38	31.7	16	16.2	91	46	1.4	16.7	2.07	0.6	2.6	2.44	
5611	08-5611	12A/15	529830	5401499	21	BC	40	-99.00	192	0.05	4.72	17.0	16	2	330	327	0.70	13.0	0.77	0.05	43	39.7	14	15.1	99	48	1.1	29.3	2.15	0.8	3.4	3.24	
5612	08-5612	12A/15	530836	5403293	21	C	50	-99.00	225	0.05	5.74	8.7	8	5	500	491	0.93	4.0	1.29	0.05	58	47.7	21	19.6	160	78	1.6	59.5	4.99	1.6	4.1	3.84	
5613	08-5613	12A/15	532379	5403971	21	C	50	-99.00	221	0.05	4.60	15.0	13	1	360	355	0.72	0.5	0.69	0.05	39	32.1	11	12.3	93	38	1.5	26.5	1.75	0.9	3.2	2.90	
5614	08-5614	12A/10	532170	5396094	21	C	60	-99.00	295	0.05	5.47	15.0	15	2	240	257	0.59	12.0	0.78	0.15	43	30.3	10	14.5	39	32	2.2	19.3	1.70	0.8	3.8	3.94	
5615	08-5615	12A/10	534353	5395086	21	C	40	-99.00	229	0.10	6.78	17.0	17	6	510	554	1.40	15.0	0.35	0.17	61	46.7	22	24.4	74	70	4.8	77.8	1.50	0.3	3.5	3.80	
5616	08-5616	12A/10	533668	5392061	21	C	45	-99.00	286	0.05	5.34	35.0	31	11	310	316	0.97	16.0	0.71	0.12	57	55.0	13	17.3	59	51	2.5	44.5	2.33	0.9	4.2	4.43	
5617	08-5617	12A/10	534389	5398770	21	C	40	-99.00	244	0.05	5.71	11.0	10	4	360	369	0.81	6.0	0.67	0.05	56	40.5	10	15.5	46	50	2.8	21.3	1.76	0.9	3.8	3.90	
5618	08-5618	12A/15	535862	5400283	21	C	45	-99.00	274	0.05	5.54	13.0	12	6	340	365	1.00	4.0	0.70	0.25	65	41.1	13	15.8	61	45	2.2	37.6	1.79	0.9	3.6	3.65	
5619	08-5619	12A/15	536585	5400837	21	BC	45</																										

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5643	08-5643	12A/15	533909	5406956	21	C	100	-99.00	195	0.05	5.54	12.0	13	2	350	363	1.13	38.0	1.04	0.22	95	98.0	17	18.4	150	93	2.6	89.8	5.78	1.2	4.6	4.62
5644	08-5644	12A/10	528552	5397202	21	C	45	-99.00	244	0.05	5.49	33.0	31	0.5	350	360	0.74	13.0	0.72	0.27	34	34.0	11	13.7	70	54	1.9	20.9	1.72	0.3	3.7	3.94
5645	08-5645	12A/10	530513	5398876	21	C	40	-99.00	239	0.05	5.38	5.2	5	0.5	340	353	0.60	3.0	0.59	0.05	37	32.7	6	8.2	58	40	1.5	7.1	1.22	0.7	1.8	1.89
5646	08-5646	12A/15	5403182	5403182	21	C	45	-99.00	186	0.05	5.14	11.0	12	2	350	339	0.71	7.0	0.90	0.05	41	37.4	10	11.8	91	47	1.0	13.5	1.95	0.5	2.9	2.82
5647	08-5647	12A/15	536026	5404913	21	C	55	-99.00	185	0.05	5.34	7.7	8	0.5	330	339	0.60	13.0	0.86	0.05	38	33.3	11	13.7	99	62	1.3	25.7	1.97	0.6	3.1	3.01
5648	08-5648	12A/15	536607	5404156	21	C	40	-99.00	259	0.05	5.41	5.2	6	2	360	351	0.64	16.0	0.79	0.05	37	32.1	8	9.8	72	41	1.3	16.9	1.59	0.7	2.4	2.29
5649	08-5649	12A/15	533844	5406438	21	C	45	-99.00	219	0.05	4.82	12.0	11	2	380	369	0.71	5.0	0.87	0.05	44	39.4	12	13.5	100	50	1.6	33.7	2.10	0.6	3.2	3.08
5800	08-5800	12A/10	505180	5371893	21	BC	40	-99.00	252	0.05	5.83	8.9	9	9	220	224	0.40	24.0	0.84	0.18	38	20.7	8	11.8	61	49	1.0	11.4	1.66	1.2	3.1	3.16
5801	08-5801	12A/10	507221	5372773	21	C	45	-99.00	332	0.05	5.69	32.0	28	9	280	283	0.63	16.0	1.05	0.24	65	47.8	18	22.5	68	51	1.1	71.1	3.86	1.4	4.9	4.75
5802	08-5802	12A/10	508861	5374319	21	C	45	-99.00	339	0.05	5.80	9.4	9	4	290	307	0.40	5.0	1.12	0.15	37	22.3	11	16.3	55	43	1.4	16.9	1.83	0.3	3.0	3.12
5803	08-5803	12A/10	514870	5373644	21	BC	40	-99.00	349	0.05	5.24	47.0	42	5	260	256	0.65	7.0	0.80	0.19	54	44.1	18	21.1	35	30	0.9	67.7	2.34	1.0	4.3	4.27
5804	08-5804	12A/10	507604	5375159	21	C	45	-99.00	318	0.05	6.28	15.0	13	5	310	324	0.56	26.0	0.93	0.13	50	34.4	12	15.2	81	62	0.7	31.9	2.52	1.3	4.4	3.77
5805	08-5805	12A/10	510701	5375948	21	C	45	-99.00	366	0.05	6.05	24.0	23	3	230	240	0.47	48.0	0.79	0.24	47	37.3	22	24.9	40	39	1.2	36.4	2.76	0.9	4.6	4.67
5806	08-5806	12A/10	512386	5378114	21	C	40	-99.00	360	0.05	5.73	26.0	23	6	330	340	0.65	5.0	0.84	0.20	43	26.7	33	33.4	51	37	1.8	33.1	2.90	1.1	4.8	4.64
5807	08-5807	12A/10	521688	5379588	21	C	45	-99.00	338	0.05	5.53	21.0	21	4	220	253	0.53	48.0	0.44	0.18	39	20.9	8	11.7	40	34	1.3	33.6	1.25	0.7	3.9	4.04
5808	08-5808	12A/10	520587	5381509	21	C	45	-99.00	317	0.05	5.93	37.0	36	5	270	286	0.91	31.0	0.43	0.27	56	36.3	18	19.8	54	37	2.0	54.6	1.53	0.8	4.9	4.89
5809	08-5809	12A/10	518450	5380169	21	C	50	-99.00	327	0.05	5.49	31.0	29	7	270	279	0.66	29.0	0.53	0.17	51	35.8	12	13.7	39	32	1.1	59.0	1.69	1.1	4.0	3.88
5810	08-5810	12A/10	516469	5379677	21	C	45	-99.00	344	0.05	5.64	20.0	19	6	320	334	0.74	8.0	0.39	0.24	53	37.4	12	15.5	48	36	1.9	57.7	1.69	0.8	4.3	4.21
5811	08-5811	12A/10	513304	5379067	21	C	45	-99.00	327	0.05	5.60	13.0	15	4	260	275	0.47	10.0	0.97	0.17	37	23.9	11	15.3	36	32	1.3	21.5	2.08	1.0	3.8	3.78
5813	08-5813	12A/10	510163	5379956	21	C	50	-99.00	323	0.10	5.87	39.0	35	3	210	224	0.67	21.0	0.61	0.39	52	38.2	16	17.6	58	40	0.8	53.8	2.46	1.0	5.0	4.57
5814	08-5814	12A/10	509355	5382070	21	C	50	-99.00	326	0.05	5.92	23.0	21	3	260	280	0.58	22.0	0.46	0.12	40	30.0	10	12.3	27	27	0.8	29.5	2.24	1.1	3.5	3.59
5815	08-5815	12A/10	509736	5383859	21	C	45	-99.00	298	0.05	4.92	25.0	23	3	220	236	0.39	17.0	0.58	0.05	29	23.7	9	10.5	35	22	0.8	30.5	1.27	0.8	3.0	2.99
5816	08-5816	12A/10	512263	5386232	21	C	45	-99.00	325	0.05	4.35	40.0	37	4	190	209	0.39	15.0	0.58	0.05	31	22.1	9	11.9	45	35	0.25	27.3	1.64	0.8	3.3	3.13
5817	08-5817	12A/10	515610	5386838	21	C	50	-99.00	264	0.05	4.86	18.0	17	2	280	308	0.53	6.0	0.67	0.05	38	24.9	10	11.8	45	25	1.0	13.3	1.30	1.0	3.3	3.16
5818	08-5818	12A/07	503894	5379046	21	C	50	-99.00	327	0.05	6.19	19.0	19	6	270	286	0.65	14.0	0.91	0.16	55	36.2	23	23.6	74	60	0.6	51.2	3.23	1.8	5.1	4.62
5819	08-5819	12A/07	500334	5399588	21	C	50	-99.00	301	0.05	5.75	12.0	10	3	300	283	0.50	8.0	1.61	0.19	41	22.4	23	20.7	81	56	1.1	13.0	2.77	1.3	4.7	4.36
5820	08-5820	12A/07	500880	5367406	21	C	55	-99.00	295	0.05	5.48	28.0	24	5	250	244	0.49	15.0	1.37	0.12	52	33.8	15	19.0	66	45	1.1	17.3	2.54	1.3	4.9	4.22
5821	08-5821	12A/07	501218	5365041	21	C	45	-99.00	345	0.05	5.83	50.4	46	4	170	172	0.44	34.0	0.95	0.24	54	42.3	27	33.1	210	190	3.0	47.0	2.74	1.8	5.5	5.46
5822	08-5822	12A/07	501816	5365375	21	C	50	-99.00	361	0.05	5.29	26.0	23	5	270	262	0.68	4.0	1.23	0.05	52	36.2	10	15.0	63	48	1.5	20.1	2.10	0.3	3.6	3.30
5823	08-5823	12A/07	503289	5361298	21	C	75	-99.00	377	0.05	4.51	61.4	53	8	210	204	0.85	2.0	1.14	0.16	59	46.9	16	19.3	45	33	1.4	29.3	2.66	0.9	3.5	3.47
5825	08-5825	12A/07	509300	5361350	21	C	35	-99.00	-99	0.05	6.07	44.0	44	3	140	167	1.42	102.0	0.45	0.05	40	24.4	3	7.3	29	35	3.1	7.2	1.47	0.3	4.2	3.95
5826	08-5826	12A/07	508596	5363188	21	C	75	-99.00	396	0.05	4.95	51.3	44	10	270	251	0.75	3.0	0.94	0.23	65	48.9	23	24.4	41	31	1.1	59.8	3.51	1.6	4.8	4.27
5827	08-5827	12A/07	507277	5365273	21	C	45	-99.00	372	0.05	5.24	10.0	9	3	270	259	0.54	4.0	1.35	0.05	47	35.4	4	15.6	44	37	0.8	12.5	3.8	1.3	3.80	3.30
5828	08-5828	12A/07	506830	5367603	21	C	55	-99.00	338	0.05	5.60	23.0	21	10	220	236	0.73	17.0	0.94	0.13	61	47.5	14	17.3	63	38	1.1	38.0	2.37	1.0	4.0	3.70
5829	08-5829	12A/07	505338	5369274	21	C	45	-99.00	265	0.05	5.86	55.0	51	5	240	254	0.54	35.0	1.18	0.34	52	43.2	22	27.0	61	42	1.0	68.8	2.81	1.2	5.8	5.51
5830	08-5830	12A/07	508196	5369465	21	C	45	-99.00	343	0.05	5.68	7.1	8	4	260	277	0.52	21.0	0.84	0.05	37	21.1	7	11.3	42	36	1.4	5.7	1.45	0.8	3.2	2.93
5831	08-5831	12A/07	509087	5367333	21	C	35	-99.00	342	0.05	5.34	18.0	15	17	280	263	0.70	8.0	1.05	0.05	57	39.1	12	15.0	52	37	1.0	40.9	3.01	0.8	4.2	3.60
5832	08-5832	12A/07	510572	5368578	21	BC	50	-99.00	323	0.10	5.70	11.0	10	3	350	363	0.84	4.0	0.94	0.37	46	31.3	24	27.0	51	42	2.2	32.0	2.17	0.8	3.4	3.86
5833	08-5833	12A/07	514112	5369503	21	C	50	-99.00	374	0.05	5.56	11.0	10	3	220	215	0.56	10.0	1.03	0.05	40	37.7	10	12.0	42	36	0.5	55.3	2.17	0.7	3.0	3.24
5834	08-5834	12A/07	516388	5368677	21	C	45	-99.00	347	0.05	5.16	13.0	13	0.5	230	251	0.63	25.0	1.03	0.32	46	33.2	18	19.9	56	39	1.1	22.2	2.55	1.0	4.2	4.27
5835	08-5835	12A/07	517379	5370327	21	C	45	-99.00	152	0.05	5.54	22.0	20	7	220	232	0.62	32.0	0.68	0.18	62	43.3	16	17.1	42	33	0.7	62.1	1.73	1.2	5.0	4.68
5836	08-5836	12A/07	525334	5369838	21	C	45	-99.00	363	0.05	5.71	11.0	12	4	360	356	0.86	2.0	1.05	0.05	63	34.6	15	16.7	69	54	2.4	21.5	2.20	1.1	3.6	3.37
5837	08-5837	12A/07	527856	5369208	21	BC	25																									

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5860	08-5860	12A/07	521712	5361452	21	C	50	-99.00	407	0.05	5.22	9.2	10	0.5	190	183	2.47	21.0	0.42	0.05	63	43.9	5	7.0	29	21	1.6	10.1	2.95	0.3	1.8	1.70
5861	08-5861	12A/07	523635	5362003	21	C	20	-99.00	404	0.05	6.14	14.0	15	3	300	307	4.50	14.0	0.40	0.05	82	63.2	7	10.0	38	34	3.0	18.1	7.02	1.0	3.0	3.22
5862	08-5862	12A/07	519439	5357295	21	C	25	-99.00	365	0.05	6.52	0.25	1	0.5	150	172	1.54	26.0	0.24	0.46	22	21.6	26	31.1	110	123	3.9	0.5	5.50	0.8	8.1	8.63
5863	08-5863	12A/07	526401	5385526	21	C	35	-99.00	313	0.05	5.70	53.7	53	7	330	341	0.61	24.0	0.75	0.35	44	30.8	17	22.2	44	38	1.3	60.2	2.15	1.0	5.6	5.60
5864	08-5864	12A/10	521142	5384456	21	C	45	-99.00	303	0.30	4.99	6.3	7	3	250	260	0.41	16.0	0.41	0.05	39	27.2	6	8.9	43	25	1.4	12.3	1.08	0.8	1.6	1.58
5865	08-5865	12A/10	517648	5383554	21	C	35	-99.00	313	0.20	5.34	36.0	35	4	230	243	0.66	32.0	0.57	0.05	39	27.4	10	13.2	47	32	1.2	26.8	2.06	0.6	4.4	4.38
5866	08-5866	12A/10	517141	5387609	21	C	35	-99.00	271	0.05	4.94	30.0	26	2	350	338	0.56	1.0	0.66	0.16	38	26.6	14	14.5	47	28	0.9	19.2	2.04	1.1	3.6	3.37
5867	08-5867	12A/10	518871	5388146	21	C	45	-99.00	270	0.05	5.51	6.2	6	17	350	357	0.60	7.0	0.67	0.11	40	26.7	6	8.5	42	31	1.9	13.8	0.9	3.1	2.91	
5868	08-5868	12A/10	520438	5389490	21	C	50	-99.00	245	0.05	5.40	27.0	26	3	320	312	0.70	20.0	0.60	0.19	48	42.0	13	14.4	50	40	0.9	31.9	1.59	0.6	3.4	3.42
5869	08-5869	12A/10	521470	5391135	21	C	50	-99.00	246	0.05	6.28	32.0	32	2	250	300	0.42	43.0	0.28	0.34	24	24.6	12	16.5	53	60	1.6	25.3	1.21	0.3	7.8	8.30
5870	08-5870	12A/06	497761	5366157	21	C	35	-99.00	295	0.05	6.03	43.0	37	17	240	234	0.49	9.0	1.12	0.26	44	33.5	24	25.2	53	43	1.3	56.2	2.66	1.3	6.0	5.48
5872	08-5872	12A/06	497229	5362644	21	C	45	-99.00	381	0.05	5.87	12.0	11	42	240	254	0.58	10.0	1.32	0.05	44	24.9	10	15.9	61	46	1.5	15.6	2.31	1.2	3.5	3.29
5873	08-5873	12A/06	497594	5364448	21	C	40	-99.00	303	0.05	6.22	19.0	18	3	210	217	0.74	33.0	1.09	0.20	60	41.6	12	17.9	61	50	2.1	40.6	3.55	1.1	4.8	4.57
5874	08-5874	12A/06	493698	5357651	21	C	50	-99.00	411	0.05	5.93	82.2	74	7	210	233	1.13	19.0	1.58	0.32	72	44.7	25	29.1	110	77	2.4	56.6	4.09	1.0	5.5	5.13
5875	08-5875	12A/06	494588	5356326	21	C	50	-99.00	475	0.05	6.23	30.0	29	4	170	201	1.22	28.0	1.29	0.17	52	30.4	14	19.6	120	83	2.3	31.6	3.00	1.1	4.5	4.31
5876	08-5876	12A/06	496775	5356727	21	C	50	-99.00	510	0.05	6.37	40.0	34	3	330	348	1.74	15.0	1.24	0.16	75	29.7	26	26.7	170	71	5.1	60.1	3.04	1.3	4.7	4.17
5877	08-5877	12A/06	499087	5357182	21	C	35	-99.00	495	0.05	6.75	11.0	11	0.5	140	127	1.33	49.0	2.41	0.34	65	33.4	29	29.6	120	63	2.0	34.6	4.78	1.3	4.8	4.31
5878	08-5878	12A/07	501222	5356882	21	C	45	-99.00	442	0.05	6.06	45.0	38	4	230	218	1.86	25.0	1.20	0.16	60	27.8	14	16.6	71	54	3.0	23.1	2.69	0.9	3.4	3.01
5879	08-5879	12A/07	503589	5356634	21	C	45	-99.00	404	0.05	5.49	28.0	27	2	240	228	2.13	34.0	1.02	0.05	47	28.6	7	10.6	43	33	3.0	10.3	1.75	0.7	2.7	2.30
5880	08-5880	12A/07	505187	5356609	21	C	45	-99.00	411	0.05	5.45	34.0	31	3	220	221	1.45	36.0	0.97	0.10	57	37.1	12	14.6	59	44	2.4	26.6	2.18	1.0	3.2	3.07
5881	08-5881	12A/07	507630	5357273	21	C	45	-99.00	444	0.05	5.14	28.0	25	9	270	271	2.12	8.0	1.00	0.05	47	27.4	8	11.3	39	32	3.9	9.1	2.76	0.8	2.7	2.51
5882	08-5882	12A/07	512350	5363659	21	C	35	-99.00	406	0.05	4.87	129.0	118	3	180	188	0.65	13.0	0.95	0.17	32	17.6	8	14.9	41	40	5.5	18.9	1.64	0.5	4.3	4.28
5883	08-5883	12A/07	513715	5362240	21	C	45	-99.00	359	0.05	4.82	10.0	9	3	280	275	1.14	2.0	0.75	0.05	59	38.6	5	8.9	45	38	4.4	0.5	1.69	1.0	1.9	1.72
5884	08-5884	12A/07	516114	5361660	21	C	45	-99.00	353	0.05	6.31	37.0	38	3	320	344	2.19	31.0	0.63	0.05	73	38.2	5	11.4	52	42	4.3	6.4	3.40	0.9	3.6	3.56
5885	08-5885	12A/07	512225	5357833	21	C	45	-99.00	408	0.05	5.65	10.0	23	0.5	360	335	1.90	2.0	0.88	0.05	77	46.5	9	14.4	63	46	2.7	6.4	2.85	1.4	2.7	2.54
5886	08-5886	12A/07	511214	5356472	21	C	45	-99.00	396	0.05	5.55	25.0	9	4	210	221	1.66	34.0	0.86	0.05	48	33.3	8	12.0	43	20	9.1	2.48	0.6	3.3	2.92	
5887	08-5887	12A/07	511677	5354855	21	C	45	-99.00	388	0.05	6.15	28.0	29	0.5	180	197	1.61	49.0	0.72	0.05	41	30.4	10	13.7	40	40	2.2	13.2	2.31	1.1	3.2	3.04
5888	08-5888	12A/07	508209	5353513	21	C	45	-99.00	436	0.05	5.40	22.0	19	0.5	240	261	1.68	30.0	0.78	0.05	73	55.9	10	12.5	60	33	2.8	12.7	2.37	1.4	2.9	2.43
5889	08-5889	12A/07	503900	5354701	21	C?	50	-99.00	476	0.05	5.62	4.4	5	0.5	270	267	1.86	4.0	1.81	0.05	63	38.8	10	15.4	48	42	2.3	0.5	1.88	1.4	2.1	2.07
5890	08-5890	12A/07	501859	5353985	21	C	45	-99.00	475	0.05	5.24	18.0	16	0.5	290	285	2.46	14.0	1.19	0.05	68	51.1	9	11.9	61	33	3.3	18.1	3.02	0.8	2.7	2.53
5891	08-5891	12A/06	499811	5353517	21	C	45	-99.00	475	0.05	5.24	18.0	16	0.5	290	285	2.46	14.0	1.19	0.05	68	51.1	9	11.9	61	33	3.3	18.1	3.02	0.8	2.7	2.53
5892	08-5892	12A/06	494307	5359731	21	BC	45	-99.00	297	0.05	7.43	26.0	26	0.5	120	145	1.16	44.0	2.06	0.33	93	82.6	45	41.6	99	73	1.6	77.9	7.43	1.8	5.7	5.32
5893	08-5893	12A/06	493964	5354800	21	C	35	-99.00	431	0.05	5.47	33.0	31	0.5	210	225	2.25	51.0	1.09	0.11	47	30.6	8	11.8	110	52	1.8	13.2	2.98	0.3	5.1	4.42
5894	08-5894	12A/06	497103	5353506	21	C	45	-99.00	495	0.20	2.13	8.5	8	6	25	23	0.16	26.0	1.31	0.37	9	15.1	204	136.8	5550	1033	0.25	418.5	2.29	0.5	13.3	11.23
5895	08-5895	12A/06	498510	5351768	21	C	50	-99.00	460	0.05	5.25	18.0	16	12	260	260	2.15	15.0	1.06	0.05	71	42.0	6	8.9	54	27	2.0	7.4	2.47	0.3	2.1	1.78
5896	08-5896	12A/06	496719	5349637	21	C	25	-99.00	555	0.05	5.38	15.0	13	0.5	300	278	2.47	46.0	1.28	0.10	51	38.3	8	10.1	67	36	3.1	9.0	2.80	0.3	2.5	2.16
5897	08-5897	12A/06	495002	5349093	21	C	40	-99.00	449	0.05	5.29	14.0	9	1.0	290	261	3.00	16.0	1.18	0.05	53	36.3	6	7.5	40	22	1.9	5.1	2.49	0.3	1.6	1.45
5898	08-5898	12A/06	491238	5348339	21	C	40	-99.00	432	0.05	5.44	16.0	15	2	300	281	2.26	9.0	1.41	0.05	53	42.2	8	10.3	46	29	2.3	13.7	2.76	1.0	2.0	1.90
5899	08-5899	12A/06	489104	5348721	21	C	45	-99.00	437	0.05	6.33	1.9	4	0.5	150	165	2.82	78.0	0.53	0.05	48	38.6	3	3.9	31	14	2.0	2.8	3.24	0.3	1.4	1.43
5900	08-5900	12A/06	487073	5348777	21	C	35	-99.00	521	0.05	5.75	36.0	32	4	240	256	1.80	34.0	1.32	0.05	74	57.6	11	16.1	93	54	2.9	20.5	4.23	1.1	3.9	3.61
5901	08-5901	12A/06	485210	5348297	21	C	20	-99.00	460	0.05	7.18	18.0	22	17	120	151	1.78	90.0	0.70	0.11	62	50.2	5	8.8	73	52	1.6	7.1	4.96	0.9	3.6	3.41
5903	08-5903	12A/06	482987	5349311	21	C	20	-99.00	433	0.05	7.28	11.0	10	0.5	90	64	0.33	47.0	3.96	0.56	17	15.8	30	37.6	36	36	1.9	11.6	6.10	1.7	10.0	8.52
5904	08-5904	12A/06	480308	5348882	21	C	40	-99.00																								

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5008	09-5008	12A/06	489304	5355101	21	C	45	26.39	305	0.05	6.31	26.0	23	0.5	220	217	0.57	13.0	2.77	0.36	66	48.5	23	36.4	70	55	2.3	5.5	4.78	1.9	6.8	6.28
5009	09-5009	12A/06	490904	5356756	21	C	50	29.89	370	0.05	5.63	151.0	121	12	310	300	1.01	1.0	1.96	0.21	75	53.6	34	34.5	110	72	2.5	56.6	4.79	1.9	7.3	6.38
5010	09-5010	12A/06	493318	5359845	21	C	40	37.57	390	0.05	5.54	96.9	80	15	310	309	0.97	5.0	1.36	0.18	73	60.7	24	25.6	55	51	2.0	49.9	3.25	1.7	4.9	4.50
5011	09-5011	12A/06	493862	5361000	21	BC	40	41.28	335	0.05	5.17	163.0	123	9	300	264	0.74	3.0	1.71	0.24	72	51.9	26	26.3	64	46	1.9	43.8	3.85	1.3	5.7	4.86
5012	09-5012	12A/06	494277	5362077	21	C	45	38.28	313	0.05	5.27	94.0	75	10	240	236	0.74	7.0	1.39	0.20	78	56.2	24	24.0	60	45	1.5	46.9	4.09	1.7	4.9	4.47
5013	09-5013	12A/06	494744	5364193	21	C	80	28.73	345	0.05	5.44	26.0	23	10	330	303	0.69	0.5	1.51	0.22	53	41.2	18	18.4	65	46	0.9	33.6	3.38	2.4	4.6	4.37
5014	09-5014	12A/06	496693	5365696	21	C	80	45.42	327	0.05	5.35	21.0	19	7	270	264	0.55	2.0	1.68	0.24	59	46.9	20	22.0	54	44	0.8	38.5	3.80	1.8	4.8	4.36
5015	09-5015	12A/06	497748	5366166	21	C	3	53.71	284	0.05	5.07	47.0	39	7	250	244	0.37	0.5	1.01	0.32	50	37.2	27	27.9	52	39	0.6	53.1	3.55	1.5	5.0	4.64
5016	09-5016	12A/11	490306	5381864	21	C	35	16.41	196	0.05	5.59	12.0	12	0.5	280	275	0.76	3.0	0.67	0.16	39	34.4	15	15.6	66	47	1.2	28.5	1.69	1.4	3.6	3.52
5017	09-5017	12A/11	491107	5382686	21	C	35	37.51	184	0.05	4.96	11.0	10	7	310	290	0.91	5.0	0.94	0.12	46	37.4	13	12.4	72	39	1.2	24.1	2.01	1.0	3.6	3.18
5018	09-5018	12A/11	491455	5383545	21	BC	25	33.83	184	0.05	5.18	8.8	9	2	320	250	0.69	18.0	0.79	0.22	36	29.3	9	10.9	73	39	1.2	12.4	1.58	1.0	3.0	2.73
5019	09-5019	12A/11	490089	5383979	21	C	70	46.57	238	0.05	4.71	8.4	11	2	320	324	0.86	6.0	0.98	0.05	45	40.0	10	10.5	78	38	0.9	19.2	2.39	1.1	3.0	2.73
5020	09-5020	12A/11	491491	5384553	21	C	50	28.10	200	0.05	4.72	9.1	8	2	330	302	0.79	3.0	1.04	0.05	33	28.9	11	10.6	77	37	1.0	17.0	2.05	0.3	2.9	2.49
5021	09-5021	12A/11	491073	5385570	21	C	55	29.19	219	0.05	5.33	9.4	9	2	350	303	0.93	31.0	1.14	0.05	46	36.5	13	12.6	85	46	0.9	27.8	2.79	0.9	3.4	2.91
5022	09-5022	12A/11	491773	5385430	21	C	60	35.22	208	0.05	5.22	11.0	10	2	340	376	0.90	3.0	1.04	0.05	41	32.4	13	12.4	71	43	1.2	19.6	2.17	0.3	3.5	2.97
5024	09-5024	12A/11	493520	5386832	21	C	90	32.21	213	0.05	6.40	17.0	15	2	340	299	1.14	3.0	0.56	0.18	34	30.6	20	17.8	86	54	3.0	31.2	1.24	0.8	4.8	4.19
5025	09-5025	12A/11	492845	5386071	21	C	60	26.88	205	0.05	5.23	12.0	11	3	350	322	0.98	1.0	0.97	0.05	43	39.9	15	14.0	80	46	1.4	26.0	2.49	0.7	3.9	3.54
5026	09-5026	12A/11	493026	5385092	21	C	55	46.37	204	0.05	5.45	8.4	8	0.5	460	432	1.03	4.0	1.09	0.05	49	42.9	13	12.7	90	46	1.0	33.0	2.90	0.9	3.4	3.13
5027	09-5027	12A/11	492695	5383739	21	C	70	38.16	178	0.05	5.54	10.0	9	2	370	343	0.89	25.0	0.97	0.05	45	37.5	11	12.4	80	48	1.1	23.4	2.05	0.8	3.5	3.09
5028	09-5028	12A/11	493791	5384589	21	C	70	20.55	224	0.05	5.72	13.0	12	3	360	347	1.03	1.0	0.71	0.17	50	44.3	14	14.2	76	45	1.5	35.1	2.97	1.3	4.1	3.93
5029	09-5029	12A/11	494702	5384210	21	C	55	41.65	264	0.05	5.83	9.3	9	0.5	430	414	1.11	7.0	1.05	0.05	52	42.4	16	14.7	98	49	1.1	33.0	2.67	0.8	4.0	3.40
5030	09-5030	12A/11	493026	5384396	21	C	65	38.74	250	0.05	5.23	9.2	9	0.5	300	313	0.90	29.0	0.91	0.05	39	32.3	19	19.0	65	48	1.0	40.5	2.74	1.4	4.9	4.17
5031	09-5031	12A/11	495605	5384647	21	C	60	17.77	239	0.05	6.77	14.0	13	3	300	293	0.75	3.0	0.70	0.12	73	57.5	8	10.2	88	43	0.6	18.7	2.69	1.3	2.5	2.27
5032	09-5032	12A/11	497625	5385037	21	C	40	39.58	204	0.05	5.01	11.0	11	2	420	360	0.95	3.0	0.96	0.05	54	39.4	12	11.3	93	38	1.1	25.2	2.39	1.4	3.8	2.93
5033	09-5033	12A/11	498418	5385718	21	C	40	42.36	194	0.05	5.43	11.0	10	3	450	406	1.07	2.0	1.11	0.05	51	42.0	15	13.8	90	49	1.3	25.2	2.71	1.1	4.1	3.49
5034	09-5034	12A/11	499001	5386456	21	C	50	26.53	226	0.05	5.03	9.2	9	2	360	329	0.75	5.0	1.01	0.05	31	26.0	11	11.6	79	38	1.2	15.6	1.58	0.9	3.2	2.79
5035	09-5035	12A/11	499778	5387306	21	C	60	33.62	217	0.05	5.40	10.0	10	0.5	240	242	0.81	58.0	0.72	0.14	34	28.2	7	8.6	65	37	0.9	16.6	2.29	1.1	2.9	2.47
5036	09-5036	12A/10	500442	5388096	21	C	35	41.18	211	0.05	4.60	12.0	10	2	380	352	0.86	2.0	1.05	0.05	46	33.9	10	10.1	78	35	0.8	22.1	2.24	1.5	3.2	2.61
5037	09-5037	12A/10	501220	5389162	21	C	45	36.54	180	0.05	5.32	13.0	12	0.5	470	415	1.18	2.0	1.10	0.05	58	44.8	14	12.9	87	47	1.8	23.0	3.37	1.2	4.3	3.55
5038	09-5038	12A/10	501778	5399838	21	C	30	33.51	170	0.05	5.41	21.0	17	2	430	411	1.09	0.5	1.05	0.05	60	45.5	17	15.3	83	47	1.7	24.3	3.08	1.7	4.5	3.82
5039	09-5039	12A/10	502275	5390713	21	C	55	39.61	170	0.05	4.35	18.0	16	0.5	290	279	0.72	13.0	0.84	0.05	51	41.6	9	9.3	84	35	0.9	22.6	1.78	1.0	2.7	2.23
5040	09-5040	12A/10	502746	5391482	21	C	60	46.41	175	0.05	4.22	12.0	10	2	280	297	0.78	1.0	1.08	0.05	38	30.6	8	9.0	100	39	0.9	19.9	3.00	1.0	2.9	2.51
5042	09-5042	12A/10	503720	5392281	21	C	40	39.78	160	0.05	5.37	12.0	14	12	6	392	1.06	3.0	0.90	0.05	59	42.1	14	12.6	93	45	1.7	21.0	2.61	1.5	4.2	3.24
5043	09-5043	12A/10	504404	5392963	21	BC	30	39.61	165	0.05	4.36	16.0	12	2	340	312	0.67	1.0	1.21	0.11	35	29.3	11	10.4	96	45	1.0	17.0	2.20	1.5	3.0	2.47
5044	09-5044	12A/10	504916	5393753	21	C	40	40.70	180	0.05	4.38	20.0	16	1.0	280	262	0.61	12.0	0.98	0.05	29	25.5	10	10.3	110	49	1.6	16.2	1.46	0.3	3.0	2.55
5045	09-5045	12A/10	505342	5394522	21	C	90	38.01	190	0.05	5.12	10.0	9	2	430	376	0.86	0.5	1.39	0.05	40	31.6	16	14.5	150	78	1.5	31.0	2.97	0.9	4.1	3.27
5046	09-5046	12A/10	505686	5395475	21	C	80	40.56	192	0.05	4.90	8.2	8	0.5	410	379	0.99	3.0	1.20	0.13	50	39.1	11	10.4	95	40	1.0	30.4	2.81	0.9	3.3	2.63
5047	09-5047	12A/10	505815	5396435	21	C	40	39.39	199	0.05	5.67	10.0	9	0.5	340	321	0.75	8.0	1.20	0.41	51	43.3	20	17.1	120	67	0.6	71.6	2.96	1.6	4.9	4.07
5048	09-5048	12A/10	506017	5397572	21	C	80	49.57	216	0.05	5.81	8.6	9	0.5	360	347	0.81	18.0	1.59	0.29	41	34.3	17	17.0	130	70	0.7	38.4	2.84	0.9	4.0	3.36
5049	09-5049	12A/10	506816	5398169	21	C	40	41.70	215	0.05	5.51	10.0	10	3	370	346	0.87	12.0	1.63	0.31	50	40.2	14	13.3	110	57	0.9	43.8	3.06	1.5	3.8	3.06
5050	09-5050	12A/10	506584	5396364	21	C	70	44.75	194	0.05	5.36	8.4	8	0.5	350	345	0.82	12.0	1.42	0.27	50	40.0	13	12.9	120	55	0.9	36.0	2.61	1.0	3.8	3.12
5051	09-5051	12A/10	507050	5397037	21	C	90	51.62	195	0.05	4.36	7.9	7	0.5	310	311	0.79	9.0	0.93	0.05	51	46.2	7	7.9	66	23	1.0	20.7	2.25	0.3	2.4	2.03
5052	09-5052	12A/10	507549	5397834	21	C	45																									

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5075	09-5075	12A/11	496201	5390561	21	C	50	38.13	306	0.05	6.14	5.6	6	0.5	500	450	0.89	27.0	1.40	0.18	54	42.8	13	12.8	140	64	0.25	20.5	2.36	1.1	3.3	2.84
5076	09-5076	12A/11	496091	5389866	21	C	70	50.62	230	0.05	5.72	6.0	6	0.5	520	500	0.92	7.0	1.56	0.05	42	39.3	11	12.3	100	56	0.7	22.2	3.04	0.6	3.1	2.94
5077	09-5077	12A/11	497129	5390806	21	C	60	52.29	282	0.05	5.70	5.1	6	0.5	540	530	0.91	7.0	1.60	0.05	50	44.0	11	11.8	100	53	0.6	20.4	3.17	1.2	3.0	2.79
5078	09-5078	12A/11	498056	5391211	21	C	70	45.42	285	0.05	5.81	6.7	7	6	470	465	0.86	22.0	1.23	0.17	70	63.5	13	13.8	99	54	0.8	33.8	3.09	1.0	3.3	2.99
5079	09-5079	12A/11	499073	5392271	21	C	150	44.46	278	0.05	5.84	7.2	7	0.5	470	456	1.13	3.0	1.62	0.15	48	40.2	19	17.7	100	56	0.25	51.8	4.09	1.3	4.1	3.88
5080	09-5080	12A/11	499082	5391239	21	C	150	60.35	270	0.05	5.37	5.8	7	6	430	407	0.89	0.5	1.85	0.11	36	37.3	11	12.3	82	43	0.25	25.0	3.39	0.8	3.1	2.88
5082	09-5082	12A/11	485064	5378544	21	C	2	27.66	260	0.05	5.52	45.0	36	3	350	334	0.86	2.0	1.03	0.31	48	44.1	15	15.2	77	49	1.4	43.8	3.58	1.5	4.0	3.69
5084	09-5084	12A/11	483367	5376798	21	C	120	40.76	176	0.05	5.04	21.0	19	0.5	370	323	0.79	2.0	0.82	0.27	54	42.3	16	13.3	78	45	1.2	30.1	4.23	1.5	4.0	3.28
5087	09-5087	12A/11	498892	5392265	21	C	60	42.25	318	0.05	6.15	6.3	7	0.5	420	376	1.14	17.0	1.67	0.16	51	41.4	12	13.3	98	57	0.7	32.4	4.07	1.6	3.9	3.20
5088	09-5088	12A/11	498785	5390550	21	C	90	51.16	239	0.05	5.23	6.3	6	0.5	400	369	0.81	4.0	1.75	0.14	47	40.7	12	12.5	86	49	0.7	24.4	3.10	1.0	3.6	3.07
5089	09-5089	12A/11	499698	5390392	21	C	70	38.26	213	0.05	5.69	10.0	10	0.5	490	448	1.03	3.0	1.19	0.16	57	46.8	15	14.0	95	50	1.1	22.7	3.41	1.1	4.3	3.56
5090	09-5090	12A/11	499549	5399377	21	C	40	41.87	243	0.05	6.02	8.0	9	2	390	376	0.87	31.0	1.30	0.22	64	52.5	15	15.7	91	53	0.7	31.3	2.82	1.3	3.9	3.31
5091	09-5091	12A/10	500633	5389857	21	C	90	43.00	234	0.05	5.69	13.0	12	0.5	420	404	1.28	5.0	1.01	0.24	91	72.4	15	14.1	110	46	1.5	28.5	3.70	1.3	4.6	3.62
5092	09-5092	12A/11	489308	5385975	21	C	90	41.29	273	0.05	5.15	8.6	8	3	410	390	0.83	1.0	1.18	0.14	41	33.0	10	11.5	90	47	1.2	23.7	2.35	1.0	3.7	3.21
5093	09-5093	12A/11	488675	5385342	21	C	90	41.07	277	0.05	5.05	11.0	9	3	460	368	0.82	6.0	1.27	0.12	54	36.1	10	10.0	100	42	1.0	18.3	3.09	1.2	3.6	2.46
5094	09-5094	12A/11	487753	5385176	21	C	100	46.99	298	0.05	4.88	11.0	10	3	340	293	0.75	18.0	1.15	0.18	57	42.6	13	12.3	89	39	1.0	27.9	2.67	1.1	3.6	2.79
5095	09-5095	12A/11	487876	5384293	21	C	75	44.79	307	0.05	5.26	8.8	8	0.5	340	316	0.77	27.0	1.20	0.15	72	58.2	12	12.3	80	43	0.9	22.7	2.88	1.4	3.5	2.90
5096	09-5096	12A/11	487942	5393227	21	BC	45	38.87	300	0.05	5.59	10.0	10	0.5	260	244	0.68	61.0	0.94	0.28	44	31.5	7	10.6	94	46	1.2	16.9	2.67	0.9	3.7	3.05
5097	09-5097	12A/11	488296	5382424	21	C	100	49.16	287	0.05	4.85	12.0	10	0.5	320	306	0.75	6.0	1.11	0.15	53	41.2	11	11.3	92	40	1.8	22.1	2.80	1.1	3.8	3.12
5098	09-5098	12A/11	487433	5380046	21	C	80	31.29	321	0.05	5.65	14.0	14	10	320	307	0.85	1.0	0.91	0.37	57	44.2	17	14.5	77	47	1.6	39.2	3.69	1.8	4.5	3.80
5099	09-5099	12A/11	488028	5380763	21	C	70	37.36	319	0.05	6.05	16.0	14	2	360	337	0.95	3.0	0.74	0.24	53	40.8	17	16.3	76	48	1.8	38.9	2.44	1.7	4.9	4.07
5100	09-5100	12A/11	479224	5374040	21	C	125	40.14	355	0.05	5.44	23.0	20	2	390	342	0.87	1.0	0.85	0.22	48	41.3	16	13.4	86	45	1.1	37.1	3.23	1.5	4.3	3.63
5103	09-5103	12A/11	479100	5373982	21	C	65	48.06	347	0.05	5.27	20.0	17	3	390	349	0.86	0.5	0.86	0.24	48	41.3	16	13.4	86	45	1.1	37.1	3.23	1.5	4.3	3.64
5105	09-5105	12A/11	479040	5373971	21	C	130	45.17	338	0.05	4.70	14.0	12	3	330	289	0.63	1.0	0.83	0.18	51	37.7	13	11.0	91	36	0.9	24.3	3.26	1.3	3.1	2.78
5106	09-5106	12A/11	478769	5373894	21	C	80	42.25	327	0.05	4.85	21.0	16	3	370	309	0.68	2.0	0.91	0.19	51	42.1	15	12.4	88	39	1.0	30.3	3.28	1.0	3.4	3.02
5109	09-5109	12A/11	479265	5374046	21	C	100	51.35	325	0.05	4.39	11.0	10	2	270	247	0.58	3.0	1.07	0.20	41	33.8	10	9.5	80	34	0.7	23.8	2.42	0.8	2.7	2.51
5114	09-5114	12A/10	506176	5397423	21	C	220	54.02	221	0.05	5.60	8.6	9	1.0	360	367	0.97	3.0	1.54	0.17	32	34.6	12	16.5	100	64	0.7	35.8	3.39	0.9	3.6	3.51
5115	09-5115	12A/10	507033	5398348	21	C	240	46.47	194	0.05	5.49	10.0	11	3	410	380	1.07	1.0	1.50	0.18	40	38.3	10	14.7	94	52	0.6	36.2	3.73	1.2	3.6	3.30
5117	09-5117	12A/06	493372	5370463	21	C	85	35.38	356	0.24	6.21	62.1	53	19	350	336	0.92	19.0	1.03	0.63	120	115.0	40	36.7	57	47	0.9	131.0	5.05	2.1	8.2	7.53
5118	09-5118	12A/11	483639	5376430	21	C	105	59.88	225	0.05	4.96	18.0	18	2	360	371	0.92	0.5	0.94	0.10	59	56.0	8	12.1	65	37	2.9	32.6	3.27	0.8	3.0	3.00
5120	09-5120	12A/06	494652	5369203	21	C	65	46.30	381	0.17	5.77	22.0	21	10	300	295	0.74	7.0	0.87	0.30	60	61.5	17	22.6	50	37	0.5	55.3	3.84	2.2	5.1	4.87
5121	09-5121	12A/11	484686	5377304	21	C	75	46.72	191	0.05	5.52	24.0	23	4	350	329	0.86	0.5	0.88	0.26	43	44.6	13	16.6	81	52	1.1	43.3	3.20	1.6	3.7	3.60
5125	09-5125	12A/10	502615	5390659	21	C	55	54.87	180	0.05	4.15	21.0	18	0.5	360	339	0.83	0.5	0.96	0.05	38	33.7	7	10.9	76	33	1.4	16.6	3.28	1.0	2.5	2.43
5127	09-5127	12A/06	475531	5370702	21	C	65	44.61	191	0.05	6.22	49.0	45	3	380	369	1.44	17.0	1.08	0.28	100	93.7	25	26.6	96	66	2.1	66.2	3.38	0.8	4.8	4.59
5129	09-5129	12A/06	473342	5364476	21	C	80	38.92	325	0.05	6.03	41.0	38	12	310	295	0.68	52.0	0.82	0.24	70	62.9	20	19.7	40	30	0.25	27.9	3.44	1.7	5.3	5.00
5130	09-5130	12A/06	473071	5364963	21	C	90	44.20	301	0.05	5.19	21.0	20	10	230	227	0.59	22.0	1.00	0.28	42	36.8	18	19.6	44	26	0.25	34.9	2.34	1.4	3.8	3.49
5131	09-5131	12A/10	503716	5397423	21	C	200	57.03	221	0.05	5.48	8.0	9	1.0	360	362	1.01	0.5	1.44	0.20	34	34.2	10	15.6	96	55	0.6	31.0	3.30	1.0	3.4	3.35
5133	09-5133	12A/10	503471	5391901	21	C	120	48.31	198	0.05	5.50	10.0	11	1.0	410	404	1.06	2.0	1.16	0.05	55	43.6	11	15.3	95	46	1.2	22.3	3.50	1.1	3.5	3.30
5135	09-5135	12A/11	499378	5386843	21	C	130	51.48	142	0.05	4.51	10.0	9	2	330	318	0.81	1.0	0.97	0.05	29	33.2	7	11.1	80	32	0.8	18.1	2.73	1.4	2.6	2.54
5137	09-5137	12A/11	494910	5384425	21	C	100	47.84	238	0.05	4.98	11.0	11	0.5	370	363	0.97	0.5	0.83	0.05	45	40.7	9	13.2	77	37	1.2	25.0	3.51	1.0	3.0	2.97
5140	09-5140	12A/11	483444	5376939	21	C	90	46.32	216	0.05	5.37	17.0	17	0.5	260	247	0.70	21.0	0.88	0.20	44	36.3	12	15.4	94	41	1.0	21.7	2.38	0.8	3.1	2.98
5141	09-5141	12A/11	486684	5376466	21	BC	45	50.72	194	0.05	5.14	36.0	34	2	280	287	0.78	4.0	0.79	0.23	32	34.1	11	14.5	78	41	0.6	25.4	2.31	0.8	3.1	3.02
5144	09-5144	12A/11	487943																													

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5177	09-5177	12A/04	445291	5341713	21	BC	25	35.42	457	0.05	5.58	3.7	4	6	110	97	0.27	32.0	2.05	0.63	26	33.6	150	99.7	920	555	0.6	36.2	2.73	1.1	11.6	9.95
5178	09-5178	12A/04	448020	5340870	21	BC	10	22.99	460	0.05	7.16	12.0	12	2	130	155	0.05	66.0	2.84	0.56	24	18.6	16	22.8	200	139	1.1	7.1	1.72	0.3	7.7	7.38
5179	09-5179	12A/05	447648	5345390	21	BC	40	29.25	333	0.05	6.52	5.6	7	0.5	120	131	0.05	129.0	2.68	0.34	24	20.0	25	23.9	150	111	0.7	31.7	3.05	0.3	5.4	4.72
5180	09-5180	12A/05	447954	5346943	21	C	25	26.90	545	0.05	6.87	6.1	7	4	170	169	0.23	156.0	2.14	0.39	37	28.3	18	20.4	130	91	0.8	38.7	2.87	1.3	5.8	4.98
5181	09-5181	12A/05	450076	5348850	21	C	40	30.41	579	0.05	6.59	3.8	6	48	230	237	0.47	87.0	2.22	0.28	34	31.2	24	21.5	130	82	0.8	32.3	2.81	1.2	4.9	4.12
5183	09-5183	12A/05	453786	5351166	21	BC	45	24.65	469	0.05	8.56	2.1	4	0.5	51	50	0.05	174.0	2.73	0.44	1.5	11.7	25	21.2	170.0	140	0.25	68.6	0.78	0.3	4.2	3.92
5184	09-5184	12A/05	453886	5348853	21	C	35	39.65	685	0.05	5.54	17.0	15	5	320	264	0.48	41.0	1.77	0.28	59	37.8	16	15.9	83	48	0.6	22.6	3.40	1.2	4.6	3.89
5185	09-5185	12A/05	453866	5347000	21	BC	25	36.56	573	0.05	6.41	9.0	10	6	320	276	0.54	103.0	1.45	0.25	52	31.4	14	10.9	107.8	51	0.9	107.8	3.52	1.5	4.3	3.57
5186	09-5186	12A/05	454175	5345434	21	C	35	32.35	438	0.05	6.34	23.0	20	11	210	189	0.27	160.0	1.72	0.37	55	36.2	16	16.3	150	91	0.7	27.1	3.01	1.2	4.8	4.18
5187	09-5187	12A/05	455837	5345714	21	C	20	28.43	480	0.05	7.04	49.0	45	8	250	270	0.52	130.0	0.80	0.40	36	26.7	13	13.2	96	72	1.2	26.4	2.57	1.1	4.6	4.43
5188	09-5188	12A/04	457006	5343535	21	C	45	34.65	529	0.05	7.15	17.0	18	0.5	430	414	0.61	99.0	1.40	0.14	130	91.3	5	10.9	32	20.1	5.3	5.84	1.9	3.6	3.28	
5189	09-5189	12A/05	461840	5362685	21	BC	45	31.36	337	0.05	6.78	13.0	13	0.5	270	275	0.62	84.0	1.15	0.25	34	29.2	8	11.2	74	48	1.0	9.5	2.42	0.9	3.9	3.83
5190	09-5190	12A/05	460146	5360875	21	BC	45	33.49	328	0.05	7.03	23.0	23	5	250	261	0.69	73.0	1.24	0.21	37	31.4	10	11.2	71	45	1.0	13.1	2.07	1.0	4.0	3.76
5191	09-5191	12A/05	458394	5360325	21	C	150	50.10	385	0.05	5.34	33.0	23	0.5	350	371	0.69	7.0	1.99	0.25	55	41.8	16	16.3	84	46	0.7	27.0	3.19	1.2	3.8	3.48
5192	09-5192	12A/05	455958	5359179	21	C	50	35.34	334	0.05	6.75	14.0	15	5	350	348	1.09	54.0	1.79	0.20	47	42.5	10	13.4	82	55	0.9	22.6	2.39	1.0	3.9	3.84
5193	09-5193	12A/05	454001	5356365	21	C	55	32.03	416	0.05	7.17	18.0	17	0.5	260	242	0.55	97.0	1.89	0.26	38	33.3	16	16.3	130	87	0.7	39.6	2.50	1.0	4.9	4.29
5194	09-5194	12A/05	456111	5348875	21	C	35	34.34	576	0.05	6.13	10.0	9	2	430	379	0.63	19.0	1.39	0.15	56	40.7	12	14.2	52	38	1.0	29.0	3.08	0.8	3.7	3.31
5195	09-5195	12A/05	456252	5346449	21	B	15	19.52	446	0.05	4.21	60.7	52	0.5	100	90	0.05	56.0	0.89	0.59	22	12.8	9	25.3	100	87	0.7	0.5	2.31	0.7	6.1	6.20
5196	09-5196	12A/05	458406	5344822	21	BC	30	28.00	566	0.05	5.97	27.0	24	0.5	410	390	1.44	107.0	1.07	0.24	67	44.9	6	13.5	47	35	2.6	2.2	3.16	1.2	4.7	4.46
5300	09-5300	12A/06	468355	5348235	21	C	50	41.71	384	0.05	5.91	26.0	22	0.5	430	379	1.93	10.0	1.85	0.26	94	76.3	13	15.0	59	36	2.2	16.5	4.36	1.5	3.4	3.15
5301	09-5301	12A/06	463469	5346136	21	C	55	33.17	411	0.05	6.77	17.0	16	0.5	470	435	1.76	43.0	1.58	0.19	84	72.8	13	16.8	81	58	4.2	14.8	2.88	1.0	4.4	4.07
5302	09-5302	12A/05	461020	5345229	21	C	75	35.96	428	0.05	6.92	16.0	18	0.5	410	386	1.55	78.0	1.72	0.20	100	81.5	9	13.6	54	37	2.2	9.3	3.87	1.3	4.1	3.79
5303	09-5303	12A/05	460772	5347004	21	C	65	31.92	387	0.05	6.81	184.0	161	3	400	410	1.27	52.0	1.43	0.61	66	49.7	16	21.0	60	47	2.5	22.7	3.87	1.3	5.3	5.28
5304	09-5304	12A/05	459422	5348131	21	C	50	39.06	439	0.05	5.94	27.0	25	5	290	289	0.65	28.0	1.42	0.30	52	38.5	13	16.8	53	35	0.9	22.6	2.67	0.9	4.3	3.99
5305	09-5305	12A/05	460094	5350233	21	C	35	33.72	438	0.05	6.50	21.0	19	3	250	257	0.53	71.0	1.18	0.31	44	33.9	12	15.1	74	50	1.0	31.5	2.63	1.2	4.6	4.17
5306	09-5306	12A/05	459759	5352304	21	C	45	39.00	429	0.05	6.39	23.0	20	3	500	422	1.09	10.0	1.48	0.24	65	50.4	19	19.5	70	47	1.4	29.3	3.03	1.1	4.8	4.12
5307	09-5307	12A/05	459749	5353788	21	C	65	37.71	554	0.05	6.50	22.0	20	3	290	267	0.43	105.0	1.65	0.38	51	40.9	22	21.0	72	50	0.6	34.6	3.24	1.4	5.8	4.95
5308	09-5308	12A/05	460126	5356027	21	BC or C	35	39.95	505	0.05	5.75	29.0	24	8	240	233	0.39	74.0	1.41	0.34	51	34.1	11	12.3	52	40	0.6	24.0	3.01	1.4	4.3	3.77
5310	09-5310	12A/05	456047	5353051	21	BC or C	40	34.93	624	0.05	6.53	17.0	14	2	310	264	0.58	78.0	1.56	0.35	50	37.7	16	16.3	97	57	0.8	27.3	3.19	1.1	5.0	4.28
5311	09-5311	12A/05	455740	5350733	21	BC or C	35	22.31	641	0.05	6.17	6.7	7	4	200	243	0.34	147.0	1.61	0.27	38	30.5	14	16.2	83	62	0.8	31.7	2.96	0.8	4.7	4.32
5312	09-5312	12A/04	446317	5337622	21	C	40	43.04	463	0.05	6.30	52.3	44	37	530	461	1.65	32.0	1.51	0.20	100	81.3	12	14.2	60	36	1.5	20.9	4.20	1.2	3.8	3.36
5313	09-5313	12A/04	441828	5336033	21	C	45	43.22	393	0.05	6.42	31.0	29	5	470	445	1.71	29.0	1.70	0.21	93	78.9	15	16.0	61	36	1.6	18.8	3.66	1.5	3.4	3.28
5314	09-5314	12A/04	443010	5340360	21	C	45	37.45	423	0.05	6.78	33.0	39	6	490	438	1.62	33.0	1.52	0.19	72	59.4	15	15.9	66	45	1.7	31.1	3.28	1.3	3.8	3.50
5315	09-5315	12A/05	446240	5344185	21	C	40	39.38	563	0.05	6.34	20.0	19	0.5	410	379	0.99	25.0	1.57	0.25	60	48.7	16	21.5	51	37	1.6	36.5	3.59	1.3	4.4	4.16
5316	09-5316	12A/04	449821	5343095	21	C	50	36.08	497	0.05	6.34	50.4	43	9	420	374	1.11	67.0	1.30	0.20	81	62.5	19	20.9	75	55	2.0	80.2	2.43	1.0	5.0	4.34
5317	09-5317	12A/05	450009	5345011	21	C or BC	35	34.10	561	0.05	6.72	18.0	20	8	220	187	0.20	115.0	1.73	0.37	34	30.2	28	24.7	140	100	0.5	50.4	2.80	0.9	6.2	5.36
5318	09-5318	12A/05	449632	5347210	21	C	40	32.30	534	0.05	7.64	0.25	8	0.5	130	137	0.10	143.0	2.64	0.41	32	20.3	28	24.7	140	100	0.5	50.4	3.41	1.0	6.2	5.39
5319	09-5319	12A/05	452116	5350555	21	C	40	39.88	524	0.05	6.19	12.0	12	4	260	238	0.47	29.0	1.99	0.30	46	33.5	29	23.7	130	89	1.2	53.3	3.01	1.2	5.2	4.36
5320	09-5320	12A/05	451962	5348812	21	C	50	39.66	597	0.05	6.79	7.6	10	0.5	330	306	0.79	82.0	2.47	0.34	54	39.8	32	26.9	100	69	1.0	47.4	4.17	1.3	5.5	4.76
5322	09-5322	12A/05	452405	5348960	21	C	40	41.16	545	0.05	5.85	9.1	10	5	260	238	0.26	45.0	2.16	0.29	42	34.6	20	20.6	90	62	0.6	87.3	3.58	1.3	5.6	4.84
5323	09-5323	12A/05	452045	5345174	21	C	35	42.62	514	0.05	6.08	18.0	16	0.5	300	276	0.57	41.0	1.26	0.25	29	27.1	14	13.5	77	56	1.3	50.0	2.04	0.7	4.1	3.74
5324	09-5324	12A/04	451674	5342986	21	C	40	33.35	492	0.05	5.24	9.0	10	5	550	493	0.47	11.0	0.61	0.05	77	44.1	5	9.6	69	36	2.2	2.3	1.87	1.1	2.3	2.07

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5013	10-5013	12A/15	528601	5410824	21	C	90	19.82	259	0.05	5.90	5.6	6	0.5	470	472	1.29	7.0	2.06	0.05	39	36.0	10	12.8	43	37	0.6	14.6	3.25	0.9	3.6	3.55
5014	10-5014	12A/15	531380	5413484	21	C	80	23.76	295	0.05	5.59	5.1	6	0.5	510	489	1.32	8.0	1.55	0.05	44	39.6	8	10.7	27	27	0.7	7.6	2.99	1.0	3.0	2.88
5015	10-5015	12A/15	532898	5415464	21	C	75	22.89	255	0.05	5.77	4.7	6	0.5	490	482	1.30	13.0	1.60	0.05	30	32.2	9	11.1	35	31	0.25	12.8	2.58	0.7	3.2	3.09
5016	10-5016	12A/15	542476	5414536	21	C	120	25.63	254	0.05	5.75	5.0	6	0.5	520	484	1.37	4.0	1.94	0.05	40	40.7	9	11.7	36	34	0.6	11.5	3.19	0.7	3.5	3.35
5017	10-5017	12A/15	533147	5413478	21	C	80	19.82	267	0.05	5.88	6.0	7	0.5	460	425	1.18	5.0	1.77	0.14	36	36.4	12	13.5	30	32	0.25	22.1	2.88	0.8	3.8	3.56
5018	10-5018	12A/15	533280	5412754	21	C	120	19.82	277	0.05	5.94	7.4	8	0.5	460	459	1.29	7.0	1.62	0.20	40	40.3	13	13.8	38	33	0.6	37.1	3.12	1.8	4.1	3.76
5019	10-5019	12A/15	532227	5411688	21	C	100	20.67	269	0.05	5.99	7.6	8	4	340	336	0.95	3.0	1.23	0.21	37	39.0	13	15.0	26	25	0.7	42.8	2.90	1.1	3.5	3.60
5020	10-5020	12A/15	531390	5411686	21	C	80	19.97	301	0.05	6.00	4.0	5	0.5	490	473	1.28	2.0	1.69	0.05	31	33.5	9	12.1	34	33	0.25	16.8	2.99	1.2	3.1	3.08
5022	10-5022	12A/15	532503	5425448	21	C	80	20.07	307	0.05	5.48	4.2	5	0.5	620	612	2.27	8.0	0.97	0.05	82	80.3	5	9.8	15	14	0.7	2.9	6.74	1.4	2.8	2.75
5023	10-5023	12A/15	531691	5424916	21	C	150	24.24	333	0.05	5.45	6.2	6	0.5	580	554	1.96	9.0	1.29	0.05	58	55.9	6	9.8	23	20	0.7	4.3	5.42	1.2	2.9	2.94
5024	10-5024	12A/15	531183	5423781	21	C	100	21.61	338	0.05	5.63	4.7	5	0.5	460	441	1.75	13.0	1.48	0.05	57	56.4	8	10.6	36	30	0.9	8.7	4.64	0.8	3.4	3.31
5025	10-5025	12A/15	531877	5423234	21	C	110	24.62	286	0.05	5.70	5.2	7	0.5	460	441	1.78	7.0	1.93	0.05	43	45.8	9	12.4	43	38	0.7	10.4	4.91	1.3	3.6	3.54
5026	10-5026	12A/15	532034	5424256	21	C	150	22.83	295	0.05	5.62	5.6	6	0.5	540	511	2.00	1.0	1.79	0.05	55	56.0	9	12.2	37	31	0.6	12.2	6.52	1.3	3.6	3.67
5027	10-5027	12A/15	533075	5424726	21	C	100	21.42	276	0.05	5.59	4.9	5	0.5	510	482	2.08	16.0	1.74	0.05	63	61.6	11	12.9	82	72	0.7	14.7	6.16	1.3	3.6	3.46
5028	10-5028	12A/15	533577	5425528	21	C	120	25.73	296	0.05	5.60	6.0	6	0.5	490	454	1.94	9.0	2.20	0.11	62	54.3	13	14.5	110	82	0.9	14.0	5.86	1.3	4.4	3.90
5029	10-5029	12A/15	534247	5425945	21	BC	90	23.31	321	0.05	5.44	5.4	6	0.5	640	576	2.16	0.05	1.33	0.05	83	71.4	6	9.5	29	21	0.8	5.3	7.05	2.0	3.3	2.90
5030	10-5030	12A/15	535274	5426886	21	C	100	18.42	354	0.05	5.96	4.8	7	0.5	530	524	2.09	27.0	1.13	0.05	110	99.8	6	10.1	36	32	0.7	6.8	6.26	2.0	2.7	2.50
5031	10-5031	12A/15	535549	5425986	21	BC	40	19.48	319	0.05	5.69	3.9	6	0.5	550	544	1.97	17.0	1.25	0.05	56	49.3	7	10.2	35	31	0.6	3.2	5.25	1.2	2.5	2.35
5032	10-5032	12A/16	538919	5425442	21	C	60	20.62	261	0.05	5.76	4.3	6	0.5	570	530	1.61	7.0	2.04	0.05	61	57.2	12	14.6	55	47	0.7	10.4	4.80	1.7	4.0	3.73
5033	10-5033	12A/16	542486	5424304	21	C	80	25.14	280	0.05	6.16	5.0	6	0.5	510	451	1.36	16.0	1.87	0.05	43	38.0	11	13.6	47	38	0.5	14.6	3.04	0.9	3.7	3.31
5034	10-5034	12A/16	543175	5424981	21	C	130	20.79	291	0.05	5.85	4.1	5	0.5	380	355	0.97	14.0	2.56	0.10	32	31.3	12	14.1	60	54	0.25	14.3	2.36	1.0	3.8	3.51
5035	10-5035	12A/16	543909	5425631	21	C	70	24.16	279	0.05	5.93	3.7	5	0.5	380	358	0.93	1.0	2.73	0.05	28	29.0	12	14.0	68	59	0.6	9.6	2.80	1.0	3.5	3.29
5036	10-5036	12A/16	544181	5424938	21	C	110	23.41	271	0.05	5.97	4.1	5	0.5	370	371	1.02	2.0	2.48	0.05	28	30.0	10	12.6	60	50	0.25	14.9	2.67	0.9	3.5	3.28
5037	10-5037	12A/16	544916	5424858	21	C	70	21.32	252	0.05	6.07	4.5	5	0.5	310	326	0.90	13.0	2.27	0.21	46	44.7	12	14.0	63	51	0.25	17.1	2.75	1.0	3.8	3.51
5038	10-5038	12A/16	544885	5425795	21	C	110	22.78	256	0.05	5.96	3.9	6	0.5	330	316	0.84	2.0	3.18	0.14	31	32.4	14	16.0	69	63	0.25	16.4	2.74	1.8	4.0	4.03
5039	10-5039	12A/16	547088	5426045	21	C	80	21.56	231	0.05	5.96	6.0	7	0.5	420	402	1.21	3.0	2.05	0.05	39	38.3	11	13.4	59	45	0.7	9.2	3.22	1.5	3.4	3.45
5040	10-5040	12A/16	545732	5424146	21	C	80	20.48	245	0.05	5.94	5.3	6	0.5	340	323	0.96	10.0	2.02	0.15	37	35.1	12	12.8	65	50	0.25	13.0	2.74	0.6	3.3	3.46
5042	10-5042	12A/16	545801	5425822	21	C	60	25.26	221	0.05	6.00	4.7	5	0.5	310	329	0.89	8.0	2.23	0.15	36	31.4	14	14.9	50	50	0.25	14.7	2.81	0.2	3.4	3.48
5043	10-5043	12A/16	548566	5427154	21	BC	100	21.42	243	0.05	5.98	7.4	8	0.5	390	356	1.06	2.0	2.22	0.12	47	43.3	11	12.8	68	48	1.0	9.7	3.57	1.2	3.3	3.20
5044	10-5044	12A/16	548762	5426107	21	BC	120	21.46	280	0.05	6.09	8.6	9	0.5	340	344	0.81	8.0	2.24	0.17	50	44.8	12	16.9	64	46	0.5	19.6	4.90	0.2	3.7	3.63
5045	10-5045	12A/16	549925	5421835	21	C	60	25.12	280	0.05	5.64	7.5	7	2	460	402	0.74	7.0	1.82	0.05	40	34.4	11	14.9	110	61	0.6	17.8	4.49	0.2	3.2	2.94
5046	10-5046	12A/16	550618	5422650	21	C	80	24.00	287	0.05	6.03	8.2	8	1.0	430	400	0.87	12.0	1.95	0.05	56	48.0	13	15.9	100	62	0.7	19.6	5.00	0.2	3.4	3.14
5047	10-5047	12A/16	549769	5423636	21	C	60	20.84	261	0.05	5.69	6.0	7	0.5	430	406	0.74	3.0	1.90	0.05	39	34.2	11	15.6	30	50	0.8	11.5	4.29	1.7	2.6	2.49
5048	10-5048	12A/16	550182	5424488	21	BC	70	19.72	299	0.05	6.24	6.7	7	0.5	360	340	0.74	25.0	1.95	0.05	27	33.8	10	16.8	77	53	0.7	16.1	5.53	0.9	3.1	3.11
5049	10-5049	12A/16	551111	5424286	21	C	80	19.61	289	0.05	5.83	7.4	8	3	380	361	0.69	29.0	1.77	0.05	32	33.2	12	18.2	95	62	0.25	16.0	5.44	1.0	2.9	2.99
5050	10-5050	12A/16	553356	5423902	21	C	60	20.48	328	0.05	5.68	6.2	7	0.5	440	412	0.78	16.0	1.69	0.05	38	36.3	9	13.7	91	54	0.8	14.3	4.54	1.8	2.9	2.99
5051	10-5051	12A/16	554042	5423552	21	C	50	18.50	354	0.05	6.86	4.3	6	0.5	430	424	1.17	30.0	1.14	0.05	67	64.3	10	15.7	64	47	1.0	11.4	5.22	1.2	2.9	2.99
5052	10-5052	12A/16	554487	5424248	21	C	65	22.60	312	0.05	6.01	5.2	6	0.5	400	414	0.96	19.0	1.51	0.05	48	48.1	6	13.6	100	51	0.25	7.1	4.76	1.4	2.9	2.87
5053	10-5053	12A/16	553846	5425103	21	C	65	22.60	312	0.05	6.01	5.2	6	0.5	400	447	1.06	9.0	1.58	0.05	48	43.5	8	14.1	75	42	0.7	14.2	5.47	1.9	2.9	2.83
5054	10-5054	12A/16	551899	5425100	21	C	60	16.09	179	0.05	6.05	6.3	8	2	360	375	0.85	22.0	1.48	0.05	43	41.5	8	13.7	98	57	1.0	9.4	4.41	0.2	2.8	2.86
5055	10-5055	12A/16	552255	5427086	21	C	60	19.20	18	0.05	6.20	6.8	10	3	360	364	0.84	29.0	1.90	0.10	45	42.0	9	15.9	76	52	0.25	11.2	4.67	0.2	3.2	3.25
5056	10-5056	12A/16	549177	5424237	21	C	60	21.80	276	0.05	6.12	6.1	8	0.5	350	355	0.80	21.0	2.04	0.05	38	35.4	12	17.7	73	51	0.7	13.8	4.76	1.4	3.5	3.32
5057	10-5057	12A/16	550151	5425538	21	C	45	19.2																								

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5080	10-5080	12A/15	521742	5405922	21	BC	55	17.07	149	0.05	5.40	6.9	7	0.5	480	481	1.28	250	0.85	0.13	59	57.9	8	9.6	27	19	1.2	9.8	3.13	0.2	2.7	2.60
5081	10-5081	12A/15	525192	5405387	21	BC	50	18.45	226	0.05	5.04	3.9	4	1.0	380	394	0.61	6.0	1.06	0.05	44	23.8	6	11.4	35	23	1.3	7.6	1.50	0.2	2.0	2.08
5082	10-5082	12A/15	531802	5410063	21	C	100	21.30	273	0.05	5.82	7.1	8	0.5	490	447	1.16	4.0	1.22	0.05	24	41.6	13	14.4	37	28	0.9	30.5	3.10	0.2	2.8	2.81
5084	10-5084	12A/15	531005	5409253	21	C	90	21.02	274	0.05	5.58	6.1	6	0.5	380	349	0.96	27.0	1.03	0.11	56	53.8	8	10.6	33	25	0.5	20.5	2.57	0.2	2.3	2.20
5085	10-5085	12A/15	532223	5409265	21	C	80	19.74	243	0.05	5.69	16.0	15	0.5	390	393	0.84	5.0	1.62	0.12	39	41.0	11	13.7	99	63	0.8	21.3	2.90	1.3	3.1	3.00
5086	10-5086	12A/15	534164	5410014	21	C	80	21.40	249	0.05	5.17	6.2	6	2	420	401	0.71	6.0	0.95	0.05	31	29.6	8	10.9	56	34	0.7	13.5	2.11	0.2	2.2	2.17
5087	10-5087	12A/15	534980	5412711	21	C	65	20.84	262	0.05	5.63	7.1	11	0.5	410	405	0.96	14.0	1.24	0.21	36	35.9	12	15.0	41	30	0.6	28.0	2.26	1.2	3.3	3.54
5088	10-5088	12A/15	535816	5412362	21	C	80	23.61	266	0.05	5.42	7.9	8	0.5	370	358	0.76	18.0	1.11	0.10	39	39.4	13	14.1	43	35	0.8	26.8	2.43	1.1	3.0	2.95
5089	10-5089	12A/16	536858	5413762	21	C	60	18.72	279	0.05	5.79	7.4	9	0.5	310	308	0.82	17.0	1.02	0.20	61	57.6	13	15.3	36	31	0.6	29.3	2.17	0.8	2.9	2.93
5090	10-5090	12A/16	536759	5412094	21	C	100	17.36	255	0.05	5.56	7.8	8	0.5	380	386	0.75	11.0	1.29	0.14	33	34.0	10	13.3	70	42	0.7	37.2	2.27	0.8	2.7	2.71
5091	10-5091	12A/16	539452	5414714	21	C	90	24.03	216	0.05	5.51	12.0	11	2	310	289	0.66	11.0	1.39	0.29	36	35.0	11	13.6	93	50	0.7	34.2	2.68	1.3	3.2	3.06
5092	10-5092	12A/16	539391	5413436	21	C	90	25.09	206	1.04	5.52	7.9	8	2	370	336	0.71	3.0	1.41	0.18	29	31.7	11	13.2	85	46	0.25	26.2	2.23	0.9	3.0	2.89
5093	10-5093	12A/16	538247	5413008	21	C	85	18.07	243	0.05	5.61	6.3	7	0.5	290	316	0.71	26.0	0.99	0.40	61	61.8	10	13.6	55	39	0.8	21.7	1.79	0.2	2.8	2.83
5094	10-5094	12A/15	526895	5412634	21	C	50	14.37	290	0.05	6.62	5.4	6	0.5	450	446	1.51	22.0	1.76	0.19	64	68.5	11	15.3	56	49	0.6	13.6	3.45	0.2	4.0	3.93
5095	10-5095	12A/15	521631	5408386	21	BC	50	16.98	315	0.05	5.49	4.4	5	0.5	530	507	1.44	9.0	0.53	0.05	28	24.4	3	6.5	11	11	0.9	1.5	2.32	1.1	1.6	1.64
5096	10-5096	12A/15	517642	5408551	21	C	40	17.80	315	0.05	5.77	5.9	6	0.5	480	450	1.38	40.0	0.42	0.05	42	43.4	4	7.4	5	12	0.8	5.1	2.49	1.0	2.3	2.21
5097	10-5097	12A/15	513749	5408241	21	C	45	16.56	254	0.05	5.50	4.2	5	0.5	430	417	1.66	19.0	0.50	0.05	40	40.6	2	8.0	11	11	0.9	2.5	2.74	0.2	2.2	2.19
5098	10-5098	12A/15	513011	5414645	21	C	45	14.28	349	0.05	6.44	1.8	4	0.5	310	301	2.06	40.0	0.49	0.14	44	39.2	1	7.5	20	15	0.8	0.5	3.91	0.2	2.6	2.47
5099	10-5099	12A/15	517457	5415475	21	C	45	17.99	329	0.05	5.76	2.2	3	0.5	350	336	2.28	11.0	0.40	0.05	57	54.7	3	6.5	14	12	0.9	0.5	3.44	1.0	2.2	2.14
5100	10-5100	12A/15	519086	5414802	21	C	45	17.88	320	0.05	5.69	2.1	6	0.5	410	436	2.48	8.0	0.45	0.12	64	67.3	3	7.4	5	15	0.6	0.5	4.35	1.0	2.4	2.43
5102	10-5102	12A/15	520915	5415209	21	C	40	14.97	378	0.05	6.05	2.2	3	0.5	340	393	1.99	71.0	0.42	0.05	51	57.0	1	6.5	12	13	1.1	0.5	4.52	0.2	2.7	2.70
5103	10-5103	12A/15	523225	5415023	21	C	50	17.47	383	0.05	5.41	1.4	2	0.5	460	508	1.53	38.0	0.36	0.05	23	18.7	1	7.0	11	8	1.0	0.5	2.74	0.2	1.2	1.28
5104	10-5104	12A/15	525761	5415355	21	BC	25	8.72	366	0.05	7.65	5.9	8	0.5	350	415	2.23	90.0	0.45	0.19	110	105.3	9	15.2	25	20	0.25	0.5	7.52	1.5	4.5	4.48
5105	10-5105	12A/15	527952	5415931	21	BC	50	13.86	283	0.05	4.91	4.0	4	0.5	440	465	1.17	17.0	1.11	0.05	21	20.6	5	10.9	18	31	0.9	0.5	2.10	1.0	2.4	2.09
5106	10-5106	12A/15	529680	5417093	21	B	50	8.21	281	0.05	8.96	3.3	6	0.5	150	208	1.29	86.0	0.17	0.13	56	56.1	1	7.8	13	17	0.9	0.5	4.74	1.0	1.6	1.69
5107	10-5107	12A/15	504960	5405679	21	C	40	15.27	336	0.05	6.40	5.2	6	0.5	330	379	1.16	50.0	0.77	0.15	38	37.3	6	11.8	56	47	0.7	9.7	3.04	0.9	3.2	3.37
5108	10-5108	12A/15	500810	5407451	21	BC	35	14.01	511	0.05	6.99	4.4	8	0.5	270	293	1.12	137.0	1.15	0.18	38	38.3	7	12.8	53	46	0.6	55.3	3.66	1.6	3.8	3.80
5109	10-5109	12A/15	500043	5412265	21	BC	50	11.00	423	0.05	6.50	4.9	8	0.5	240	306	1.23	129.0	0.91	0.16	44	45.4	3	10.8	50	38	0.25	7.4	3.26	1.2	3.6	3.85
5110	10-5110	12A/15	502630	5412993	21	C	40	14.91	383	0.05	6.05	5.2	5	0.5	350	400	1.34	55.0	0.86	0.13	51	52.2	4	8.7	39	27	0.5	7.4	2.73	0.2	2.5	2.65
5111	10-5111	12A/15	500334	5414338	21	C	100	16.44	389	0.05	6.61	11.0	12	0.5	440	497	2.15	3.0	1.97	0.17	76	75.3	16	20.2	59	48	1.5	40.2	6.46	1.8	4.1	4.21
5112	10-5112	12A/15	500391	5416588	21	BC	45	11.36	372	0.05	7.78	6.1	11	0.5	210	241	1.15	149.0	1.02	0.34	66	69.4	7	16.1	69	42	1.0	6.5	3.99	0.2	5.7	5.92
5113	10-5113	12A/15	500035	5418282	21	C	50	10.95	374	0.05	7.09	5.4	7	0.5	400	492	1.78	38.0	0.97	0.05	46	47.8	11	19.1	49	42	1.9	7.6	3.82	1.2	2.9	3.13
5114	10-5114	12A/15	502055	5420435	21	C	40	15.40	396	0.05	6.59	3.3	9	0.5	370	384	1.46	61.0	1.01	0.24	50	54.2	6	13.8	29	30	0.7	5.2	3.67	0.2	3.4	3.74
5115	10-5115	12A/15	502388	5419366	21	C	50	21.61	355	0.05	5.70	2.9	4	0.5	510	481	1.93	3.0	1.02	0.05	54	52.4	4	8.6	20	19	0.7	6.0	4.55	1.0	1.9	1.83
5116	10-5116	12A/15	507691	5419109	21	BC	40	14.90	393	0.05	5.59	2.3	3	0.5	370	365	2.29	32.0	0.54	0.05	54	50.6	1	6.4	14	15	0.25	0.5	5.04	1.0	2.1	1.94
5117	10-5117	12A/15	509564	5416980	21	B	45	9.95	447	0.05	7.79	4.6	8	0.5	160	192	4.57	197.0	0.34	0.20	190	174.2	1	6.3	24	17	0.7	0.5	16.21	2.9	3.1	2.70
5118	10-5118	12A/15	511357	5416985	21	BC	45	19.13	397	0.05	4.98	1.9	2	0.5	310	287	1.94	29.0	0.46	0.15	33	25.9	3	6.4	12	12	0.6	0.5	3.08	0.2	2.3	2.06
5119	10-5119	12A/15	513178	5417155	21	BC	45	19.40	342	0.05	5.41	2.3	2	0.5	280	261	1.87	54.0	0.52	0.24	80	63.5	2	8.0	14	13	0.8	0.5	3.32	0.2	2.5	2.36
5120	10-5120	12A/15	515204	5416919	21	BC	45	16.87	358	0.05	4.97	1.6	3	0.5	290	246	2.06	52.0	0.40	0.24	34	28.7	1	6.1	12	12	0.8	0.5	3.24	0.2	2.7	2.31
5122	10-5122	12A/15	517349	5416911	21	BC	45	14.75	348	0.05	6.81	2.2	4	0.5	250	284	2.12	95.0	0.38	0.05	63	61.5	1	7.9	17	15	0.6	2.1	5.58	1.6	2.9	2.95
5123	10-5123	12A/15	519147	5417102	21	C	50	17.57	371	0.05	6.00	1.5	2	0.5	290	323	2.66	42.0	0.42	0.05	53	44.3	1	6.3	15	11	0.7	0.5	5.20	0.2	2.4	2.42
5124	10-5124	12A/15	520991	5417020	21	C	50	12.95	441	0.05	7.66	2.1	3	0.5	200	256	2.14	111.0	0.29	0.05	51	55.9	1	6.0	5	13	0.7	0.5	5.53	1.5	2.3	2.45
5125	10-5125	12A/15	523185	5417081	21	B</																										

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5148	10-5148	12A/15	519241	5420166	21	C	50	18.77	520	0.05	5.89	1.5	1	0.5	270	290	3.29	8.0	0.23	0.12	78	68.0	3	4.3	11	7	0.9	0.5	6.41	1.5	2.0	1.92
5149	10-5149	12A/15	510917	5421388	21	B	35	15.19	480	0.05	5.87	2.9	2	0.5	410	432	1.86	33.0	0.80	0.05	46	43.9	4	9.8	15	17	0.9	0.5	3.84	1.3	2.8	2.68
5150	10-5150	12A/15	509240	5421163	21	BC	60	17.44	404	0.05	5.75	2.6	3	0.5	420	431	2.46	6.0	0.80	0.05	49	45.9	3	7.5	13	14	0.7	0.5	5.39	1.3	1.8	1.71
5151	10-5151	12A/15	506635	5420595	21	B	35	16.26	18	0.05	6.89	3.4	3	0.5	300	336	1.93	51.0	0.41	0.12	48	48.8	1	7.5	5	18	0.8	0.5	4.71	0.2	2.9	2.72
5152	10-5152	12A/15	505236	5420993	21	C	40	14.60	398	0.05	6.60	4.0	4	0.5	360	410	2.02	56.0	0.55	0.05	87	82.5	4	7.5	17	17	0.6	2.3	4.49	1.1	2.6	2.61
5153	10-5153	12A/15	503953	5421218	21	BC	60	12.88	387	0.05	4.70	3.0	3	0.5	330	386	1.58	36.0	0.43	0.10	30	23.1	1	9.9	18	16	1.0	0.5	3.30	1.0	2.9	3.03
5154	10-5154	12A/15	502600	5426730	21	BC	40	19.68	393	0.05	5.53	0.5	1	0.5	580	564	1.76	4.0	0.55	0.05	27	15.5	3	9.5	5	9	1.0	0.5	2.84	0.8	1.2	1.13
5155	10-5155	12A/15	505104	5426681	21	C	40	17.64	527	0.05	5.18	0.8	1	0.5	400	415	1.72	17.0	1.06	0.05	24	15.0	5	15.4	17	18	1.0	0.5	2.99	0.2	2.3	2.52
5156	10-5156	12A/15	506632	5426901	21	BC	40	17.06	534	0.05	6.68	1.0	1	0.5	440	441	1.53	63.0	0.83	0.05	59	53.3	1	7.1	18	18	0.9	0.5	4.13	0.2	2.7	2.70
5158	10-5158	12A/15	512918	5427186	21	BC	40	16.05	466	0.05	7.25	1.4	3	0.5	400	436	1.31	90.0	1.12	0.05	39	42.0	3	10.4	25	32	0.6	2.2	3.80	1.3	3.5	3.70
5159	10-5159	12A/15	516087	5425971	21	C	50	18.73	436	0.05	6.25	1.0	1	0.5	430	430	1.70	32.0	1.26	0.10	54	52.0	7	12.0	27	27	0.6	1.5	4.19	0.2	3.2	3.38
5161	10-5161	12A/15	517059	5426500	21	BC	50	21.26	441	0.05	5.84	0.6	1	0.5	470	458	1.82	11.0	0.90	0.05	46	45.0	5	9.4	22	18	0.25	0.5	4.62	2.2	2.0	2.04
5162	10-5162	12A/15	518874	5427185	21	B	45	14.47	497	0.05	5.77	0.6	1	0.5	430	479	1.72	45.0	0.73	0.05	49	47.8	4	12.6	5	10	0.25	0.5	5.32	1.4	2.4	2.72
5163	10-5163	12A/15	518842	5427090	21	BC	50	17.38	489	0.05	5.95	0.7	1	0.5	450	471	1.98	31.0	0.76	0.05	58	54.2	4	8.6	18	11	0.25	0.5	4.81	1.3	3.0	3.08
5164	10-5164	12A/15	523262	5426927	21	BC	50	17.80	489	0.05	6.42	0.8	1	0.5	350	403	2.17	65.0	0.33	0.05	57	56.8	1	5.3	17	10	0.5	0.5	5.41	0.2	2.6	2.53
5165	10-5165	12A/15	524653	5426990	21	B	45	14.18	492	0.05	5.87	1.5	1	0.5	270	299	2.19	100.0	0.17	0.10	57	48.2	1	4.6	5	10	0.9	0.5	5.04	0.2	2.5	2.39
5166	10-5166	12A/15	528828	5426286	21	C	50	18.80	444	0.05	4.16	4.0	4	0.5	280	314	4.57	3.0	0.25	0.46	140	142.0	4	6.0	17	8	0.8	1.7	17.88	1.7	10.0	9.78
5167	10-5167	12A/15	5425629	5425629	21	BC	50	23.37	373	0.05	5.59	1.9	1	0.5	520	520	2.76	6.0	0.36	0.05	55	50.9	3	7.6	5	9	1.3	0.5	5.39	0.2	1.5	1.58
5168	10-5168	12A/15	531433	5427045	21	C	45	21.34	329	0.05	5.74	1.5	2	0.5	540	547	2.33	32.0	0.40	0.05	83	80.7	1	6.8	14	10	0.9	0.5	4.62	2.1	2.1	2.27
5169	10-5169	12A/15	531162	5422258	21	C	40	14.56	312	0.05	3.87	1.3	1	2	520	510	1.63	18.0	0.36	0.05	46	35.1	1	9.1	5	11	0.9	0.5	5.44	0.2	1.8	1.85
5170	10-5170	12A/15	536234	5424949	21	C	45	21.26	265	0.05	5.67	3.6	3	0.5	650	610	1.93	7.0	1.11	0.05	44	39.6	6	11.1	23	27	0.6	1.7	4.37	1.4	2.1	2.06
5171	10-5171	12A/16	540900	5424279	21	C	50	17.18	252	0.05	6.20	4.4	5	0.5	450	471	1.54	34.0	1.49	0.21	50	50.3	7	11.7	35	39	0.8	10.6	3.67	0.9	3.1	3.20
5172	10-5172	12A/16	550028	5414201	21	C	100	21.93	270	0.05	5.71	12.0	11	0.5	460	479	1.12	9.0	0.79	0.21	53	49.9	21	23.5	58	47	1.2	32.9	3.17	0.2	3.3	3.39
5173	10-5173	12A/16	550755	5415311	21	C	100	20.27	263	0.05	5.73	15.0	13	0.5	480	485	1.13	22.0	0.87	0.11	49	47.0	20	22.5	71	54	1.3	38.8	3.05	1.0	3.4	3.43
5174	10-5174	12A/16	554818	5417413	21	C	70	26.32	231	0.05	5.24	8.1	9	2	470	493	1.15	5.0	1.12	0.05	43	38.9	9	13.6	71	41	0.8	15.8	3.26	0.9	2.7	2.65
5175	10-5175	12A/16	554247	5416583	21	C	65	25.57	184	0.05	5.61	11.0	7	0.5	510	439	1.01	50.9	0.95	0.24	48	41.6	17	21.2	65	40	1.0	26.2	2.65	0.9	3.1	3.01
5176	10-5176	12A/16	553533	5416048	21	C	50	19.53	214	0.05	5.82	7.2	6	0.5	450	451	0.97	10.0	0.80	0.05	35	31.8	10	13.7	64	44	1.5	19.5	2.19	0.9	2.7	2.62
5177	10-5177	12A/16	552766	5415507	21	C	30	21.58	229	0.05	5.43	13.0	11	0.5	460	453	1.11	3.0	0.87	0.13	58	54.1	20	22.3	54	42	1.0	26.2	3.56	1.4	3.1	3.06
5178	10-5178	12A/16	551918	5414721	21	C	60	17.13	241	0.05	5.64	9.3	9	0.5	470	456	1.04	9.0	0.76	0.05	40	36.6	12	16.2	65	43	1.1	24.0	2.84	0.9	2.8	2.92
5179	10-5179	12A/16	552320	5413800	21	C	80	24.32	251	0.05	5.47	14.0	12	0.5	420	418	1.10	6.0	0.82	0.21	55	50.5	20	26.1	48	33	1.1	26.2	3.59	1.6	3.3	3.16
5181	10-5181	12A/16	550373	5412993	21	C	90	22.14	255	0.05	5.86	13.0	12	0.5	470	468	1.06	20.0	0.84	0.21	62	56.0	28	26.6	49	35	1.2	26.0	3.62	1.2	3.4	3.18
5182	10-5182	12A/16	552890	5412979	21	C	50	15.37	209	0.05	6.53	11.0	12	3	340	357	1.06	45.0	0.59	0.16	41	34.8	22	22.8	48	42	1.8	32.2	3.04	0.2	3.1	3.11
5183	10-5183	12A/16	553226	5412044	21	C	40	17.52	270	0.05	6.10	13.0	12	7	310	339	1.11	20.0	0.62	0.18	50	43.2	12	14.3	67	47	1.4	34.7	3.11	1.3	3.2	3.38
5184	10-5184	12A/16	549892	5409840	21	C	40	19.56	180	0.05	5.27	15.0	15	2	380	362	1.06	4.0	0.74	0.13	71	56.5	15	17.8	48	32	1.0	37.9	3.08	0.2	3.1	3.07
5185	10-5185	12A/16	549804	5410754	21	C	50	21.51	260	0.05	6.08	20.0	18	2	370	405	1.23	7.0	0.62	0.22	58	48.8	16	16.2	51	39	1.6	23.7	3.45	1.2	3.8	3.66
5185	10-5185	12A/16	550713	5411301	21	C	35	18.49	255	0.05	5.84	51.9	48	3	370	382	1.20	15.0	0.64	0.44	72	59.3	19	19.8	64	44	1.5	26.3	2.82	0.9	3.5	3.53
5186	10-5186	12A/16	547846	5409711	21	C	60	15.15	268	0.05	6.00	18.0	19	2	290	341	1.11	21.0	0.62	0.22	60	53.9	12	14.3	67	47	1.4	34.7	3.11	1.3	3.2	3.37
5187	10-5187	12A/16	548892	5409840	21	C	40	17.52	270	0.05	6.10	13.0	12	7	310	339	1.11	20.0	0.62	0.18	50	43.2	12	14.3	67	47	1.4	34.7	3.11	1.3	3.2	3.38
5188	10-5188	12A/16	549804	5410754	21	C	65	19.64	289	0.05	5.78	19.0	17	3	350	358	1.04	15.0	0.60	0.17	69	51.3	12	14.9	61	40	1.2	30.7	3.60	1.5	3.5	3.30
5189	10-5189	12A/16	553807	5413786	21	C	70	20.06	209	0.05	5.32	13.0	13	2	370	362	0.95	8.0	0.70	0.14	49	43.8	13	15.6	33	31	1.1	26.2	3.11	0.7	2.9	2.94
5190	10-5190	12A/16	554539	5414806	21	C	80	22.24	202	0.05	5.33	15.0	12	0.5	390	381	1.00	17.0	0.72	0.19	44	39.9	10	14.1	50	34	0.9	24.1	2.90	0.6	2.9	2.92
5191	10-5191	12A/16	555388	5415194	21	C	60	24.03	203	0.05	5.56	13.0	12	2	410	380	1.06	9.0	0.73	0.20	53	48.4	18	18.7	56	37	0.9	20.7	2.82	0.7	2.9	3.00
5192	10-5192	12A/16	556262	5416074	21																											

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5216	10-5216	12A/16	547182	5408712	21	BC	50	14.03	235	0.05	5.94	13.0	12	3	280	308	1.04	22.0	0.63	0.17	53	362	9	10.7	50	37	1.1	21.9	2.15	0.8	2.7	2.82
5217	10-5217	12A/16	542382	5407837	21	C	50	17.78	265	0.05	5.79	14.0	13	2	310	328	0.82	21.0	0.74	0.17	33	30.5	7	9.8	66	39	0.9	23.8	2.47	0.7	3.1	2.97
5218	10-5218	12A/16	542584	5406187	21	C	100	14.63	229	0.05	5.31	23.0	21	5	370	378	1.03	7.0	0.78	0.10	44	44.2	13	15.7	39	38	1.3	32.5	2.83	0.2	3.2	3.50
5219	10-5219	12A/16	543369	5407001	21	C	60	15.05	240	0.05	5.43	17.0	15	6	380	386	1.12	5.0	0.57	0.14	48	43.3	16	17.6	53	40	2.0	25.1	2.91	0.7	3.0	3.26
5220	10-5220	12A/15	540906	5401542	21	C	80	19.91	322	0.05	5.74	5.3	6	3	450	438	1.23	19.0	1.68	0.05	52	46.4	10	12.3	98	54	0.8	27.7	3.30	0.9	3.1	2.88
5222	10-5222	12A/15	504976	5401940	21	C	90	23.88	306	0.05	5.61	5.9	7	3	460	446	1.30	9.0	1.54	0.05	52	51.9	9	10.6	83	45	0.6	16.5	3.79	0.8	2.9	2.70
5223	10-5223	12A/15	506570	5401681	21	C	90	24.00	324	0.05	5.43	7.9	8	0.5	470	440	1.30	4.0	1.54	0.05	32	41.4	8	11.0	70	48	0.8	26.1	3.28	0.7	2.6	2.77
5224	10-5224	12A/10	504028	5392210	21	C	100	35.59	327	0.05	4.09	20.0	15	3	320	277	0.78	4.0	1.05	0.18	37	35.0	10	11.5	84	41	1.3	25.2	2.17	0.6	2.9	2.70
5226	10-5226	12A/10	506034	5391130	21	C	100	24.66	320	0.05	4.33	20.0	17	3	310	305	0.81	1.0	0.65	0.10	43	40.3	10	10.9	66	30	0.9	28.2	2.12	0.7	2.8	2.62
5227	10-5227	12A/15	512896	5404698	21	C	175	22.64	212	0.05	5.42	5.8	5	21	510	474	1.38	4.0	0.78	0.05	44	42.9	7	9.1	21	16	0.9	20.7	3.24	0.8	2.7	2.36
5230	10-5230	12A/15	513130	5408385	21	C	100	25.07	254	0.05	5.44	3.9	4	0.5	500	455	2.14	4.0	0.81	0.05	62	53.0	5	8.0	18	57	0.9	1.1	4.66	1.0	2.6	2.35
5232	10-5232	12A/10	522808	5398613	21	C	110	22.05	257	0.05	3.57	59.9	53	6	270	264	0.66	2.0	0.59	0.43	39	37.2	9	12.0	57	29	0.7	126.7	3.14	0.8	2.6	2.83
5233	10-5233	12A/15	525847	5399801	21	C	120	24.73	189	0.05	4.40	38.0	33	3	400	383	0.89	0.05	0.84	0.16	47	42.9	10	14.4	100	48	1.4	38.5	3.28	1.1	3.2	3.33
5235	10-5235	12A/10	520236	5396704	21	C	90	24.27	272	0.05	4.35	47.0	41	4	330	304	0.73	2.0	0.62	0.34	53	51.2	11	12.9	61	31	0.9	49.8	2.95	0.7	3.3	3.05
5238	10-5238	12A/10	518912	5395223	21	C	110	19.50	258	0.05	4.32	51.6	45	7	330	329	0.75	0.05	0.71	0.40	50	46.7	13	15.2	54	25	0.8	50.2	3.05	1.2	3.1	3.10
5240	10-5240	12A/10	517949	5394185	21	C	100	19.84	313	0.05	5.40	69.9	61	3	540	543	1.00	0.05	1.00	0.26	57	48.6	18	20.0	51	33	1.2	35.0	3.40	1.3	4.0	4.06
5241	10-5241	12A/10	521233	5398918	21	C	100	27.12	194	0.05	3.45	70.9	61	2	240	220	0.66	6.0	0.52	0.39	58	44.7	13	13.5	76	27	1.0	15.8	1.98	0.7	2.5	2.09
5244	10-5244	12A/10	516499	5398846	21	C	100	21.02	173	0.05	3.52	8.2	8	5	250	256	0.64	5.0	0.54	0.05	29	27.1	6	8.9	79	32	0.7	11.3	1.71	0.6	1.7	1.77
5246	10-5246	12A/10	512080	5396398	21	C	100	22.07	209	0.05	4.02	8.9	9	2	350	338	0.80	1.0	0.70	0.05	42	38.1	7	10.6	84	38	0.9	18.9	2.63	0.8	2.5	2.46
5248	10-5248	12A/10	509858	5395404	21	C	140	25.04	198	0.05	3.88	12.0	12	2	220	223	0.65	6.0	0.76	0.05	36	35.2	8	10.4	75	35	0.7	16.8	2.14	0.6	2.4	2.28
5253	10-5253	12A/10	508553	5392109	21	C	90	25.71	214	0.05	3.95	26.0	22	3	300	286	0.78	0.05	0.51	0.13	46	40.6	9	10.6	72	30	1.2	25.0	2.14	0.8	2.5	2.32
5257	10-5257	12A/10	499863	5384742	21	C	100	20.75	210	0.05	4.82	16.0	14	3	320	308	0.69	0.05	0.87	0.05	34	38.7	13	15.6	72	57	1.1	40.6	3.44	0.8	3.3	3.30
5266	10-5266	12A/11	508962	5382955	21	C	100	20.75	210	0.05	4.93	12.0	11	0.5	340	308	0.74	3.0	0.97	0.05	34	33.7	13	15.6	93	44	1.1	19.4	2.16	0.7	3.4	3.18
5267	10-5267	12A/11	497081	5378055	21	C	160	17.84	18	0.05	5.38	52.2	46	8	360	331	0.86	2.0	0.80	0.33	54	47.5	23	23.4	75	50	0.9	52.6	3.42	1.2	4.7	4.38
5268	10-5268	12A/11	497983	5377564	21	C	110	18.47	187	0.05	5.59	49.0	44	8	320	328	0.63	2.0	0.47	0.33	45	35.7	17	17.1	27	23	0.6	53.2	2.47	0.2	4.7	4.47
5272	10-5272	12A/11	518212	5376245	21	C	140	17.85	310	0.05	5.55	25.0	22	4	330	311	0.62	0.05	0.60	0.37	38	34.4	20	18.5	28	25	0.25	48.5	2.08	1.2	4.3	4.31
5275	10-5275	12A/10	500813	5378599	21	C	150	21.35	357	0.05	4.77	53.7	48	9	290	283	0.59	0.05	0.67	0.53	34	32.9	19	18.9	29	27	0.5	52.3	2.69	1.1	4.7	4.57
5278	10-5278	12A/10	501875	5379840	21	C	260	19.17	18	0.05	5.15	43.0	38	6	320	315	0.64	0.05	0.70	0.48	36	33.8	20	19.5	53	35	0.8	68.9	2.73	0.8	4.7	4.58
5282	10-5282	12A/10	501795	5380169	21	C	370	16.18	289	0.05	5.14	47.0	42	5	310	300	0.64	0.05	0.71	0.39	31	34.7	21	21.0	44	39	0.8	51.3	2.60	0.9	4.5	4.54
5287	10-5287	12A/11	493194	5379161	21	C	200	21.88	244	0.05	4.76	7.9	7	0.5	340	334	0.99	0.05	1.27	0.05	37	34.0	10	11.9	78	38	0.7	13.2	2.96	1.0	2.9	2.79
5289	10-5289	12A/11	492858	5376229	21	C	320	18.61	353	0.05	5.60	44.0	34	10	340	334	0.76	0.05	0.91	0.67	38	41.7	22	23.3	71	50	1.0	61.4	3.71	1.1	4.7	4.76
5290	10-5290	12A/11	493569	5375124	21	C	100	20.33	349	0.05	4.93	44.0	37	14	300	276	0.65	0.05	0.77	0.41	43	43.3	20	21.1	53	37	0.55	55.0	3.31	1.3	4.1	4.20
5294	10-5294	12A/11	491397	5376363	21	C	80	19.46	305	0.05	5.63	25.0	22	2	270	271	0.70	13.0	0.96	0.40	40	37.7	17	19.5	86	60	1.0	32.7	2.04	0.8	4.1	4.09
5298	10-5298	12A/11	492062	5376559	21	C	40	18.80	302	0.05	5.56	28.0	24	4	320	306	0.82	0.05	1.09	0.46	38	40.2	18	19.6	69	55	0.9	40.4	3.70	0.7	4.2	4.37
5302	10-5302	12A/11	491972	5377130	21	C	90	15.54	277	0.05	6.10	26.0	26	2	360	350	0.91	2.0	0.94	0.39	48	46.0	21	20.4	91	58	1.1	37.5	3.81	1.3	4.9	4.75
5304	10-5304	12A/10	517908	5399440	21	C	470	22.07	191	0.05	4.55	9.3	8	8	400	383	1.07	3.0	0.53	0.05	46	37.4	7	9.3	71	25	1.3	18.2	2.01	0.8	2.5	2.13
5305	10-5305	12A/11	489541	5380814	21	C	100	24.03	169	0.05	4.94	8.1	9	5	260	268	0.93	2.0	0.85	0.14	58	38.1	9	11.6	91	34	1.2	24.5	2.70	0.9	3.1	2.79
5500	10-5500	12A/15	522906	5411142	21	BC	40	11.15	328	0.05	4.33	2.2	2	2	430	486	1.01	22.0	0.27	0.05	18	13.1	1	4.9	11	8	1.1	0.5	2.42	0.2	1.0	0.79
5501	10-5501	12A/15	519656	5409809	21	C	55	17.57	359	0.05	5.76	5.6	4	0.5	550	562	1.80	24.0	0.38	0.05	100	101.2	5	6.9	14	12	0.8	5.2	3.32	0.7	2.2	1.87
5502	10-5502	12A/15	518207	5410971	21	C	35	17.45	351	0.05	5.83	3.7	3	0.5	520	519	1.73	31.0	0.47	0.05	37	32.2	3	5.9	21	12	0.7	4.8	3.57	0.7	2.3	1.95
5503	10-5503	12A/15	511071	5413711	21	C	35	17.62	354	0.05	6.01	3.3	3	0.5	340	357	2.40	16.0	0.50	0.05	160	147.6	3	7.0	26	18	0.7	10.2	6.97	1.0	2.5	2.35
5504	10-5504	12A/15	5146189	5416189	21	BC	35	19.35	370	0.05	5.70	1.6	1	0.5	330	345	2.49	28.0	0.50	0.05	55	49.8	3	5.7	17	13	0.25	1.3	4.49	1.0	2.4	2.10
5505	10-5505	12A/15																														

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5528	10-5528	12A/15	520844	5419095	21	C	45	10.32	435	0.05	0.37	4.3	1	0.5	63	89	28.71	8.0	0.75	0.94	379	440.4	5	4.6	23	12	0.25	4.9	52.74	2.4	34.6	35.87
5529	10-5529	12A/15	523109	5418788	21	C	55	22.59	456	0.05	5.84	1.8	2	0.5	550	550	2.39	32.0	0.53	0.05	50	46.7	2	7.4	5	10	0.8	0.5	6.12	0.8	2.2	2.08
5530	10-5530	12A/15	525221	5418811	21	C	45	15.40	435	0.05	6.39	2.5	3	0.5	480	517	2.06	70.0	0.40	0.05	77	75.8	3	7.6	10	13	0.6	0.5	5.63	0.8	2.5	2.54
5531	10-5531	12A/15	527174	5417229	21	BC	50	13.17	356	0.05	4.20	2.0	1	0.5	300	341	0.91	25.0	1.03	0.51	20	0.5	13	58.3	130	122	0.25	0.5	3.07	1.2	10.3	10.68
5532	10-5532	12A/15	526390	5418929	21	C	45	20.23	404	0.05	5.71	2.3	4	0.5	720	727	2.20	2.0	0.68	0.05	68	55.7	3	9.6	13	12	0.5	0.5	6.25	1.3	1.4	1.45
5533	10-5533	12A/15	533330	5417858	21	C	50	20.22	252	0.05	6.14	5.0	5	0.5	480	501	1.58	32.0	1.14	0.05	76	65.6	7	9.1	27	30	0.7	6.7	3.93	0.2	2.9	2.70
5534	10-5534	12A/15	534833	5416091	21	C	50	19.15	253	0.05	6.51	4.4	4	0.5	420	438	1.31	47.0	1.27	0.05	36	28.5	6	9.4	38	31	0.6	6.4	3.42	0.9	2.2	2.25
5535	10-5535	12A/16	543020	5423305	21	C	45	17.01	278	0.05	6.28	4.2	4	0.5	340	355	1.14	23.0	1.55	0.05	56	42.7	11	11.8	63	45	0.25	7.5	2.44	0.2	3.1	3.35
5536	10-5536	12A/16	540694	5421953	21	C	45	18.66	248	0.05	6.02	4.1	4	0.5	430	418	1.35	29.0	1.58	0.05	35	39.1	9	12.2	37	39	0.25	7.9	2.93	0.6	3.1	3.36
5537	10-5537	12A/16	539094	5421456	21	C	50	22.41	236	0.05	5.80	4.5	4	0.5	500	489	1.63	13.0	1.27	0.05	62	65.3	8	10.7	36	34	0.7	8.6	3.97	1.0	3.2	3.13
5538	10-5538	12A/16	536867	5422109	21	BC	35	21.00	254	0.05	4.98	2.5	3	0.5	570	548	1.30	9.0	1.05	0.05	18	15.6	5	11.0	25	27	1.0	0.5	2.86	0.6	1.7	1.75
5539	10-5539	12A/15	529451	5421952	21	BC	45	20.98	290	0.05	5.73	7.1	8	0.5	607	607	3.48	12.0	0.71	0.05	110	101.8	4	13.0	21	20	1.3	0.5	9.26	2.2	3.2	3.18
5540	10-5540	12A/15	526708	5423361	21	BC	35	12.55	356	0.05	4.32	2.7	2	0.5	450	489	1.93	36.0	0.34	0.05	38	37.8	2	11.2	28	14	1.0	0.5	5.12	0.8	3.4	3.37
5541	10-5541	12A/15	524250	5423316	21	C	50	14.76	454	0.05	2.42	1.7	14	0.5	170	192	25.25	5.0	0.59	0.50	417	436.6	3	3.9	36	13	0.6	2.1	60.05	2.8	20.7	20.79
5543	10-5543	12A/15	522678	5422956	21	C	50	18.55	473	0.05	6.29	1.7	1	0.5	260	275	3.27	52.0	0.17	0.05	53	46.0	1	4.0	5	8	0.6	0.5	5.93	0.2	2.1	1.96
5544	10-5544	12A/15	521114	5422931	21	BC	45	20.84	473	0.05	5.77	0.8	1	0.5	300	318	2.84	29.0	0.22	0.05	46	42.7	1	4.2	12	9	0.6	0.5	5.12	0.9	2.1	1.93
5545	10-5545	12A/15	519026	5422944	21	C	45	18.91	459	0.05	5.80	0.9	1	0.5	320	332	2.34	33.0	0.27	0.05	55	55.0	1	4.9	5	8	0.6	0.5	4.70	0.2	2.0	1.99
5546	10-5546	12A/15	517239	5421910	21	C	50	20.85	442	0.05	6.18	0.9	3	0.5	290	305	2.21	51.0	0.29	0.05	54	54.1	1	5.1	5	10	0.7	0.5	5.44	0.8	2.4	2.41
5547	10-5547	12A/15	514486	5423780	21	C	45	14.81	426	0.05	6.48	3.7	4	0.5	510	523	2.16	17.0	0.69	0.05	250	265.4	9	14.7	27	22	1.2	0.5	10.78	1.6	6.1	6.66
5548	10-5548	12A/15	516382	5423068	21	C	45	18.81	419	0.05	6.27	2.4	3	0.5	310	327	2.29	63.0	0.36	0.05	49	55.9	1	6.1	5	10	0.9	0.5	5.06	0.9	2.5	2.67
5549	10-5549	12A/15	512596	5423247	21	C	45	16.98	492	0.05	6.25	1.9	1	0.5	390	398	1.86	24.0	0.98	0.05	41	38.0	6	9.6	27	19	0.25	2.9	3.48	1.0	3.1	2.84
5550	10-5550	12A/15	508916	5423248	21	BC	45	18.42	420	0.05	6.79	1.7	2	0.5	360	388	1.81	36.0	0.70	0.05	45	42.3	5	8.4	21	20	0.7	0.5	3.62	0.2	2.7	2.75
5551	10-5551	12A/15	506971	5423031	21	BC	35	11.90	420	0.05	6.81	1.6	3	0.5	150	165	1.93	75.0	1.46	0.29	120	118.7	28	34.4	59	55	1.2	94.5	7.90	1.4	6.1	6.50
5552	10-5552	12A/15	504692	5423338	21	C	45	14.44	489	0.72	6.46	1.7	3	2	300	340	1.56	65.0	0.34	0.05	41	38.3	1	7.0	16	16	0.5	0.5	3.95	0.2	2.7	2.64
5553	10-5553	12A/15	503308	5423154	21	BC	40	14.82	352	0.05	7.04	2.2	1	0.5	500	524	2.22	29.0	0.66	0.05	36	30.2	3	14.0	24	19	0.8	0.5	3.87	0.8	2.1	1.98
5554	10-5554	12A/15	503397	5425011	21	C	45	18.71	336	0.05	6.67	1.1	1	0.5	380	398	2.05	35.0	0.43	0.05	37	32.2	4	8.4	5	16	0.5	0.5	3.23	0.9	3.1	2.97
5555	10-5555	12A/15	505112	5424759	21	C	35	16.88	520	0.05	6.89	1.1	2	0.5	410	441	1.88	56.0	0.62	0.05	47	46.5	2	7.7	23	16	0.5	0.5	4.68	1.0	2.4	2.49
5556	10-5556	12A/15	506919	5424906	21	C	45	17.32	538	0.05	6.14	1.0	1	0.5	420	452	1.66	71.0	0.81	0.05	48	49.3	3	9.2	26	19	0.25	0.5	4.06	0.8	2.9	2.95
5557	10-5557	12A/15	508719	5424992	21	C	50	14.89	530	0.05	6.18	0.9	1	0.5	370	412	1.40	35.0	0.27	0.05	44	42.8	11	21.7	60	62	0.7	0.5	4.32	0.7	3.7	4.22
5558	10-5558	12A/15	511195	5425187	21	BC	35	15.27	419	0.05	4.94	1.7	2	0.5	410	446	1.30	18.0	0.87	0.05	39	41.1	5	9.8	11	16	0.6	0.5	2.35	0.5	4.0	4.35
5559	10-5559	12A/15	513167	5424968	21	BC	35	16.41	440	0.05	6.47	1.2	3	0.5	340	358	1.61	47.0	0.97	0.05	42	43.4	5	10.2	27	24	0.7	2.9	3.66	1.0	3.3	3.39
5560	10-5560	12A/15	516625	5424892	21	BC	30	14.59	426	0.05	6.17	1.0	2	0.5	340	375	1.85	59.0	0.81	0.05	51	48.4	6	12.6	27	19	1.1	0.5	4.65	0.8	3.6	3.55
5561	10-5561	12A/15	518861	5425300	21	C	50	18.19	485	0.05	5.94	1.0	1	0.5	410	438	1.89	31.0	0.54	0.05	53	46.2	1	6.4	12	8	0.7	0.5	4.42	1.0	1.6	1.58
5562	10-5562	12A/15	521069	5424956	21	C	35	20.71	478	0.05	6.12	1.0	2	0.5	380	388	2.34	44.0	0.36	0.05	56	50.7	2	5.3	13	9	0.7	0.5	5.41	1.2	2.7	2.43
5564	10-5564	12A/15	521201	5426945	21	C	40	12.74	515	0.05	5.55	0.25	1	0.5	520	556	1.50	64.0	1.13	0.05	47	46.1	5	16.6	23	17	0.9	0.5	5.24	1.4	3.6	3.95
5565	10-5565	12A/15	525799	5425669	21	BC	45	16.79	490	0.05	5.63	0.6	1	0.5	370	373	2.73	30.0	0.29	0.05	48	48.0	1	5.2	5	9	1.0	0.5	5.24	0.9	2.2	2.21
5566	10-5566	12A/15	525107	5425271	21	C	45	15.30	469	0.05	5.95	1.3	1	0.5	250	265	2.57	77.0	0.17	0.05	46	38.7	1	3.7	11	7	0.7	0.5	4.99	0.2	1.8	1.78
5567	10-5567	12A/15	526938	5425099	21	C	45	18.76	439	0.05	5.51	0.9	1	0.5	360	357	2.99	15.0	0.22	0.05	34	32.5	1	5.6	5	6	1.1	0.5	5.64	0.9	1.3	1.30
5568	10-5568	12A/15	528692	5424348	21	C	35	16.13	346	0.05	4.86	2.4	2	2	520	554	2.03	12.0	0.65	0.05	30	28.1	3	9.9	12	16	3.2	0.5	3.36	0.7	3.1	3.23
5569	10-5569	12A/15	534774	5424317	21	C	60	18.43	291	0.05	6.27	4.2	4	0.5	510	524	1.80	34.0	0.92	0.05	43	43.0	5	9.0	27	28	0.6	1.8	4.54	1.2	2.6	2.57
5570	10-5570	12A/16	539199	5423682	21	C	45	17.55	262	0.05	6.93	4.6	5	0.5	400	411	1.58	25.0	1.61	0.05	60	59.7	11	13.4	53	48	0.6	8.4	3.32	1.0	3.6	3.65
5000	11-5000	12A/11	484266	5378416	21	C	80	36.79	307	1.53	5.30	14.0	10	2	360	295	0.87	1.0	0.81	0.26	49	43.2	11	13.2	62	39	0.9	25.5	3.53	1.0	3.1	2.85
5004	11-5004	12A/11	490350	5381906	21	C	100	24.98	19																							

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct	
5025	12-5025	12A/16	545239	5404413	21	B	55	25.55	231	0.16	8.21	67.0	67	12	210	244	1.60	28.0	0.38	0.01	79	75.4	28	27.3	50	48	2.9	116.7	2.66	1.8	6.9	7.11
5026	12-5026	12A/16	544609	5403653	21	B	60	19.98	229	0.05	6.69	20.0	20	2	200	224	0.64	25.0	0.01	0.01	48	48.0	2	2.9	29	25	3.7	19.0	1.13	0.9	4.4	4.75
5027	12-5027	12A/16	546330	5402798	21	C	60	36.31	289	0.05	6.10	26.0	23	6	330	314	1.21	7.0	0.49	0.01	73	62.3	9	8.7	50	37	2.7	41.5	1.22	1.2	4.2	4.16
5028	12-5028	12A/16	546036	5403956	21	C	80	29.92	294	0.05	7.04	36.0	33	10	370	369	1.43	15.0	0.49	0.15	53	55.7	10	9.1	59	46	3.2	69.1	1.02	1.1	5.2	5.37
5029	12-5029	12A/16	546509	5404806	21	C	80	32.55	286	0.05	6.54	26.0	23	8	330	320	1.25	21.0	0.60	0.14	46	52.5	10	8.9	36	2.5	48.6	1.44	1.0	4.1	4.52	
5030	12-5030	12A/16	544045	5401241	21	C	70	30.99	252	0.05	6.52	29.0	26	9	370	370	1.52	0.05	0.57	0.10	69	67.4	22	18.0	51	46	3.5	62.3	0.05	1.8	4.7	4.61
5031	12-5031	12A/16	547805	5402535	21	C	55	32.84	254	0.05	6.42	27.0	24	5	300	308	1.24	5.0	0.78	0.11	62	58.1	17	13.4	52	36	2.4	51.2	1.41	1.3	4.5	4.47
5032	12-5032	12A/16	548777	5402849	21	C	100	40.64	225	0.05	6.52	33.0	30	6	360	364	1.35	8.0	0.71	0.16	71	66.1	26	21.0	45	36	2.8	63.4	1.56	1.5	5.1	4.94
5033	12-5033	12A/16	548089	5403604	21	C	100	34.84	278	0.05	6.62	30.0	27	5	350	357	1.35	5.0	0.71	0.19	74	61.8	19	16.1	51	36	2.5	54.2	1.66	1.2	5.1	4.81
5034	12-5034	12A/16	547225	5403608	21	C	55	28.85	291	0.05	6.92	13.0	11	5	360	355	1.26	13.0	0.69	0.16	60	46.3	8	6.7	46	39	3.1	50.5	1.36	1.3	4.2	3.95
5035	12-5035	12A/16	547243	5405632	21	BC	55	27.43	210	0.16	6.58	63.6	65	12	340	310	1.44	16.0	0.50	0.23	95	84.2	32	27.1	59	41	2.6	105.6	1.69	1.6	5.8	5.92
5036	12-5036	12A/16	546959	5406314	21	C	60	30.04	185	0.05	6.18	22.0	21	4	290	312	1.05	5.0	0.50	0.16	56	52.9	12	10.4	53	34	2.0	26.1	1.06	1.2	4.2	4.14
5037	12-5037	12A/16	548523	5406398	21	C	55	27.94	193	0.05	6.61	33.0	32	6	340	329	1.34	7.0	0.48	0.01	80	66.4	24	0.5	54	37	2.2	42.6	67.61	1.6	4.7	4.45
5038	12-5038	12A/09	543301	5399047	21	C	100	41.56	258	0.05	6.21	38.0	32	8	300	265	1.14	2.0	1.51	0.01	46	64.2	26	0.5	36	25	1.7	18.8	69.52	1.0	4.3	4.60
5039	12-5039	12A/09	543765	5398072	21	C	75	36.96	278	0.16	6.80	84.4	73	17	320	294	1.55	22.0	1.06	0.01	79	69.6	29	0.5	38	32	2.9	58.2	75.28	1.5	7.3	7.12
5040	12-5040	12A/09	544114	5399010	21	C	75	40.94	267	0.05	6.16	45.0	38	9	320	283	1.30	3.0	1.19	0.01	53	48.3	25	0.5	37	28	2.0	28.1	69.59	1.1	5.5	5.15
5042	12-5042	12A/16	543733	5400225	21	C	50	28.70	257	0.05	6.74	34.0	33	5	290	299	1.27	14.0	0.55	0.01	68	53.7	15	0.5	52	38	2.7	40.8	59.40	0.9	4.9	4.89
5043	12-5043	12A/16	544759	5399999	21	C	75	41.43	260	0.05	6.31	60.1	53	12	340	310	1.28	11.0	0.90	0.01	60	51.2	26	0.5	38	27	2.2	66.1	96.18	1.7	6.8	6.07
5047	12-5047	12A/16	546586	5400336	21	BC	50	27.34	253	0.42	6.65	41.0	40	9	250	265	1.30	10.0	0.76	0.01	70	59.3	22	0.5	35	31	2.8	62.9	61.07	1.3	5.1	5.09
5049	12-5049	12A/09	545774	5398865	21	BC	60	35.46	259	0.05	6.82	57.6	54	10	280	286	1.35	13.0	1.13	0.27	46	47.3	17	11.7	43	31	2.0	41.9	1.91	1.5	6.8	6.62
5050	12-5050	12A/09	546385	5399126	21	C	50	34.96	266	0.05	6.67	38.0	35	6	300	299	1.35	17.0	1.15	0.22	62	59.2	15	10.2	32	27	1.9	40.4	2.68	1.5	5.2	5.14
5051	12-5051	12A/09	547347	5398833	21	C	60	20.37	254	0.59	8.34	67.7	74	11	270	309	1.43	46.0	0.64	0.32	44	50.4	11	8.7	46	42	3.7	74.6	2.11	1.1	8.0	9.16
5052	12-5052	12A/16	548146	5400437	21	C	45	30.06	253	0.05	6.19	34.0	38	7	310	315	1.25	9.0	0.89	0.25	82	70.7	21	16.0	41	31	2.7	58.4	1.99	1.5	4.9	4.92
5053	12-5053	12A/09	549090	5399708	21	C	40	27.70	264	0.05	6.79	39.0	34	9	360	384	1.57	2.0	0.73	0.27	74	72.7	24	18.2	41	36	2.8	65.4	2.72	1.6	5.4	5.58
5054	12-5054	12A/09	5398540	5399446	21	BC	50	21.51	245	0.05	8.69	78.1	81	12	250	257	1.46	51.0	0.48	0.34	42	52.0	19	13.6	43	46	2.7	70.7	1.93	1.4	8.5	8.73
5055	12-5055	12A/16	548488	5399840	21	C	40	35.74	254	0.05	7.09	54.2	49	9	370	346	1.51	12.0	0.97	0.23	54	51.1	15	13.6	44	23	4.3	49.6	1.69	1.4	6.2	5.98
5056	12-5056	12A/16	548959	5400393	21	BC	50	18.78	256	0.05	7.58	38.0	42	7	230	267	1.43	43.0	0.52	0.18	49	63.3	15	12.5	42	44	2.5	57.9	2.10	1.3	5.5	6.26
5057	12-5057	12A/09	548404	5396733	21	C	40	30.78	266	0.05	6.54	11.0	11	5	320	318	1.06	7.0	0.85	0.15	45	47.3	8	6.4	36	35	2.2	23.8	1.62	1.1	3.1	3.49
5058	12-5058	12A/09	549253	5397186	21	C	55	26.56	269	0.05	6.74	31.0	36	10	310	321	1.22	4.0	0.78	0.42	57	58.6	13	9.9	43	37	2.4	53.0	2.14	1.2	4.3	5.12
5059	12-5059	12A/09	550442	5397684	21	C	40	27.91	269	0.05	6.69	38.0	37	7	330	337	1.31	4.0	0.72	0.30	69	67.4	24	18.7	48	37	2.1	73.2	2.12	1.4	4.9	5.16
5060	12-5060	12A/09	551247	5398249	21	C	30	30.90	265	0.05	6.71	33.0	32	8	310	319	1.20	12.0	0.84	0.25	69	61.5	21	15.8	44	35	2.2	70.1	1.69	1.3	4.7	4.88
5062	12-5062	12A/09	552329	5398260	21	C	30	37.11	261	0.05	6.18	33.0	31	8	350	363	1.13	0.05	0.78	0.23	60	57.9	20	14.2	47	33	1.6	51.8	2.27	1.5	4.3	4.31
5063	12-5063	12A/09	551977	5398986	21	C	50	30.68	242	0.15	7.06	37.0	36	10	310	321	1.22	4.0	0.83	0.42	57	58.6	13	9.9	43	37	2.4	53.0	2.14	1.2	4.3	5.12
5064	12-5064	12A/09	553008	5398817	21	C	50	40.47	236	0.05	6.51	35.0	32	9	330	333	1.26	4.0	0.91	0.20	72	62.2	15	10.7	54	36	2.6	47.1	2.26	1.3	5.0	4.74
5065	12-5065	12A/16	551467	5399826	21	BC	45	24.38	242	0.05	7.37	82.8	85	11	290	323	1.60	19.0	0.42	0.33	52	58.6	28	23.5	46	44	3.4	97.5	1.58	1.2	6.4	7.12
5066	12-5066	12A/16	551235	5401998	21	C	50	35.06	211	0.05	6.76	38.0	37	6	320	327	1.36	9.0	0.82	0.21	70	56.3	9	7.0	47	36	2.6	41.8	1.61	1.0	5.4	5.35
5067	12-5067	12A/09	562845	5396319	21	C	60	35.71	276	0.05	5.51	47.0	43	7	330	334	1.08	0.05	1.18	0.22	61	59.9	15	12.4	66	44	1.9	32.9	1.89	1.4	3.4	3.73
5068	12-5068	12A/09	562379	5395389	21	C	70	34.65	277	0.05	5.71	45.0	42	7	320	323	1.05	5.0	1.27	0.13	71	58.7	15	11.6	81	55	1.8	36.3	1.84	1.5	3.6	3.68
5069	12-5069	12A/09	561394	5395131	21	C	60	24.31	280	0.05	5.68	12.0	12	4	310	325	0.90	0.05	0.99	0.01	54	48.1	8	7.1	72	51	2.1	17.0	1.40	1.2	2.2	2.44
5070	12-5070	12A/09	562538	5393024	21	C	90	41.30	274	0.05	5.23	24.0	21	6	270	257	1.19	3.0	1.10	0.01	68	56.5	11	8.3	100	44	1.8	27.8	2.18	1.5	2.9	2.77
5071	12-5071	12A/09	561662	5392690	21	C	55	36.05	265	0.05	5.46	27.0	25	4	290	285	1.23	2.0	1.18	0.16	70	59.8	15	12.0	79	48	1.9	36.8	1.62	1.3	3.4	3.34
5072	12-5072	12A/09	560435	5391564	21	C	50	22.83	238	0.05	6.57	10.0	12	3	250	262	0.93	7.0	1.47	0.10	60	51.3	14	11.7	120	89	3.0	22.8	1.21	1.1	3.4	3.67
5073	12-5073	12A/09	560660	5392385	21	BC	50	38.																								

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5092	12-5092	12A/16	556505	5400838	21	C	150	41.98	235	0.05	5.61	29.0	24	6	330	306	1.20	3.0	0.86	0.12	86	66.0	19	12.9	45	28	2.2	49.3	1.83	1.6	4.6	4.26
5093	12-5093	12A/16	555642	5400897	21	C	120	40.44	256	0.05	5.89	49.0	42	11	340	326	1.18	5.0	0.86	0.01	68	61.1	27	18.5	49	34	1.7	70.0	1.86	1.6	5.3	5.08
5094	12-5094	12A/16	555589	5400136	21	C	70	38.23	215	0.05	6.22	44.0	38	10	350	347	1.30	7.0	0.78	0.01	78	62.6	13	9.6	59	36	2.3	43.0	1.52	1.8	5.4	5.15
5095	12-5095	12A/09	554134	5399363	21	C	100	37.06	211	0.05	6.43	59.3	51	8	320	312	1.30	10.0	0.87	0.16	61	67.1	25	19.0	59	40	2.3	72.3	1.64	1.1	5.7	6.17
5096	12-5096	12A/16	553456	5399975	21	C	100	30.76	229	0.05	6.35	33.0	29	8	330	330	1.32	4.0	0.80	0.23	73	68.5	21	15.3	43	32	2.2	73.0	1.74	1.4	4.8	4.97
5097	12-5097	12A/16	557197	5400617	21	C	60	32.71	240	0.05	6.04	25.0	22	6	310	317	1.11	5.0	0.70	0.11	56	53.4	15	11.6	47	33	1.7	37.1	1.49	1.3	4.0	4.10
5098	12-5098	12A/16	558097	5401107	21	C	90	33.97	258	0.05	6.50	33.0	30	5	310	323	1.12	12.0	0.93	0.14	69	57.6	20	14.3	69	49	1.6	66.3	1.44	1.4	4.3	4.28
5099	12-5099	12A/16	558363	5402031	21	C	100	33.44	255	0.05	5.85	23.0	21	6	250	270	1.21	21.0	0.81	0.12	93	76.0	14	10.2	43	31	1.4	38.1	2.07	1.5	3.7	3.78
5100	12-5100	12A/16	558490	5402934	21	C	80	37.71	266	0.05	5.89	16.0	14	3	350	349	1.05	9.0	0.91	0.01	62	53.2	13	9.6	55	33	1.4	28.0	1.63	1.5	3.6	3.53
5102	12-5102	12A/16	558322	5403987	21	C	90	34.95	278	0.05	6.14	22.0	19	7	320	318	1.10	12.0	0.99	0.12	55	47.1	16	11.5	37	31	1.1	41.7	1.62	1.3	3.6	3.55
5103	12-5103	12A/16	559068	5404563	21	C	60	35.26	255	0.05	6.06	16.0	14	7	300	309	1.02	20.0	0.94	0.11	68	57.0	10	7.3	47	32	1.2	30.4	1.87	1.3	3.2	3.61
5104	12-5104	12A/16	560078	5405273	21	C	100	37.94	270	0.05	5.76	25.0	20	3	340	330	1.15	4.0	1.09	0.01	56	54.8	18	12.4	44	29	1.3	36.8	2.11	1.7	3.7	3.60
5105	12-5105	12A/16	558457	5405373	21	C	100	32.04	267	0.05	6.23	20.0	16	5	360	364	1.31	2.0	1.09	0.10	51	50.0	15	10.0	54	28	1.5	34.6	2.66	1.6	4.0	3.96
5106	12-5106	12A/16	557798	5404805	21	C	80	34.78	283	0.05	5.95	12.0	11	3	370	361	1.08	5.0	0.86	0.12	52	46.2	11	7.4	49	29	1.5	21.6	1.68	1.0	3.3	3.37
5107	12-5107	12A/16	556505	5404683	21	C	90	29.65	278	0.05	6.63	13.0	11	5	370	392	1.18	11.0	0.69	0.01	62	55.4	10	7.6	60	38	2.4	42.8	1.34	1.2	3.5	3.66
5108	12-5108	12A/16	549300	5403049	21	C	80	34.93	210	0.05	6.04	43.0	37	11	300	305	1.18	12.0	0.86	0.01	63	53.4	11	7.4	42	28	1.9	50.7	1.47	1.2	5.2	5.07
5109	12-5109	12A/16	549123	5402129	21	C	90	36.24	236	0.05	6.25	29.0	26	7	320	318	1.26	5.0	0.91	0.15	60	51.5	17	12.0	42	30	2.2	50.3	1.47	1.5	4.6	4.80
5110	12-5110	12A/16	550513	5403478	21	C	100	36.22	219	0.05	6.04	58.4	52	9	320	326	1.30	9.0	0.69	0.01	64	55.5	22	15.2	52	31	2.4	73.3	1.33	1.2	6.2	6.08
5111	12-5111	12A/16	556335	5401939	21	C	60	28.77	242	0.05	6.40	42.0	37	9	350	344	1.40	5.0	0.60	0.01	67	63.7	18	13.1	55	39	3.0	68.6	1.66	1.3	5.4	5.41
5112	12-5112	12A/16	550655	5400720	21	C	100	38.60	220	0.05	6.39	35.0	29	14	400	382	1.61	11.0	0.89	0.01	63	55.6	21	13.7	53	37	2.7	44.8	1.06	1.4	6.4	5.94
5113	12-5113	12A/16	552566	5400907	21	C	95	40.17	200	0.05	5.71	60.9	51	15	350	328	1.31	2.0	0.81	0.24	82	70.9	39	28.3	52	34	2.0	85.5	1.64	1.6	5.6	5.45
5114	12-5114	12A/16	555322	5401779	21	C	40	35.13	263	0.05	6.56	42.0	34	11	400	373	1.45	3.0	0.55	0.16	70	62.9	20	14.5	51	41	2.5	70.6	1.28	1.0	5.2	5.23
5115	12-5115	12A/16	556332	5401939	21	BC	45	32.21	266	0.05	6.71	38.0	37	9	370	405	1.48	3.0	0.52	0.18	70	64.1	21	15.1	53	42	2.8	65.2	1.47	1.2	5.3	5.37
5116	12-5116	12A/16	556570	5402831	21	C	60	28.43	289	0.05	6.07	23.0	21	4	320	327	1.04	14.0	0.67	0.01	43	41.9	10	8.0	42	35	1.9	25.2	0.94	1.1	4.2	4.29
5117	12-5117	12A/16	553481	5405866	21	C	75	30.30	251	0.05	6.19	26.0	23	7	400	404	1.40	4.0	0.63	0.16	66	59.0	21	15.1	54	37	2.4	51.1	1.48	1.1	4.3	4.43
5118	12-5118	12A/16	553148	5404859	21	C	75	30.42	256	0.05	6.74	25.0	23	8	330	358	1.40	16.0	0.63	0.01	59	51.9	28	20.5	46	37	2.6	57.5	1.29	1.2	4.7	4.86
5119	12-5119	12A/16	554229	5404988	21	C	80	29.76	258	0.05	6.47	28.0	26	9	380	407	1.45	4.0	0.58	0.12	64	64.3	19	14.0	54	39	2.7	61.5	1.70	1.2	4.7	4.89
5120	12-5120	12A/16	553185	5403762	21	C	60	35.18	263	0.05	6.72	25.0	23	9	380	405	1.31	17.0	0.67	0.10	64	57.4	14	10.0	63	42	2.2	57.3	1.45	1.0	4.3	4.45
5122	12-5122	12A/16	552966	5402808	21	C	100	36.92	241	0.05	6.31	32.0	28	8	380	376	1.36	4.0	0.70	0.14	71	67.7	18	12.6	49	37	2.8	52.0	1.54	1.3	4.9	4.94
5123	12-5123	12A/16	553143	5401811	21	C	80	29.37	226	0.05	6.62	20.0	20	3	370	365	1.18	12.0	0.75	0.14	70	51.3	14	11.4	45	37	1.8	38.4	1.39	1.0	4.0	4.13
5124	12-5124	12A/16	553599	5401135	21	C	95	37.05	231	0.05	6.21	41.0	37	9	380	371	1.29	1.0	0.82	0.22	67	65.3	28	20.7	55	35	2.0	67.3	2.34	1.8	5.1	4.80
5125	12-5125	12A/16	554313	5401899	21	C	100	32.23	253	0.05	6.89	44.0	42	7	390	408	1.38	5.0	0.76	0.19	72	65.4	27	20.3	52	40	2.4	64.4	1.90	1.3	5.0	4.85
5126	12-5126	12A/16	554261	5402643	21	C	100	31.40	248	0.05	6.59	29.0	29	9	350	346	1.33	16.0	0.91	0.20	72	65.2	31	23.7	49	38	2.0	62.4	1.65	1.4	4.4	4.30
5127	12-5127	12A/16	555051	5402695	21	C	90	32.54	280	0.05	6.65	21.0	21	5	310	327	1.03	16.0	0.68	0.20	59	51.3	13	10.0	51	37	1.7	34.9	1.54	1.3	4.3	4.23
5128	12-5128	12A/16	555968	5403539	21	C	75	32.19	287	0.05	6.87	16.0	16	4	360	359	1.10	24.0	0.70	0.12	49	46.9	12	9.3	53	39	1.9	42.9	1.41	1.1	3.9	3.84
5129	12-5129	12A/16	563298	5414846	21	BC	90	37.93	185	0.05	6.34	20.0	19	3	400	410	1.27	7.0	0.78	0.12	57	51.3	21	16.0	48	34	1.6	48.2	1.70	1.0	3.9	3.79
5130	12-5130	12A/16	564108	5415801	21	BC	60	33.42	174	0.05	6.38	12.0	12	3	370	375	1.11	10.0	0.82	0.01	70	58.1	17	13.0	48	33	1.2	26.4	1.53	0.9	3.0	3.00
5131	12-5131	12A/16	566595	5414907	21	BC	35	35.66	202	0.05	6.84	14.0	13	3	330	320	1.45	10.0	1.25	0.01	86	74.3	30	23.0	50	37	2.5	75.7	2.55	1.6	4.7	4.48
5132	12-5132	12A/16	565812	5413979	21	BC	85	33.79	212	0.05	6.40	28.0	24	4	400	383	1.26	5.0	1.04	0.11	61	61.0	23	18.7	38	34	1.7	50.0	1.96	1.2	3.8	3.84
5133	12-5133	12A/16	562554	5401198	21	BC	40	36.54	261	0.05	6.27	24.0	22	5	460	436	1.09	6.0	0.88	0.01	91	75.1	18	15.0	49	31	1.6	38.9	1.70	1.3	4.1	3.90
5134	12-5134	12A/16	562792	5402186	21	C	50	37.98	266	0.05	5.97	28.0	26	4	370	352	0.94	12.0	0.93	0.15	76	62.2	22	17.3	49	31	1.1	42.5	1.26	1.2	3.7	3.46
5135	12-5135	12A/16	563746	5400329	21	C	50	35.82	261	0.05	7.03	15.0	14	5	530	512	1.19	11.0	0.84	0.16	91	67.2	15	11.9	41	31	1.2	70.1	1.16	1.3	4.4	3.96
5137																																

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5161	12-5161	12A/16	560722	5427401	21	C	40	40.26	242	0.05	7.02	5.1	5	1.0	440	407	1.19	18.0	1.72	0.01	35	42.6	11	8.9	59	45	0.8	14.5	1.87	1.2	3.3	3.42
5163	12-5163	12A/16	557472	5415954	21	C	50	38.13	240	0.05	5.84	7.0	6	2	360	354	0.85	20.0	0.71	0.01	31	32.9	7	5.2	54	32	1.3	11.5	1.21	0.9	2.6	2.47
5164	12-5164	12A/16	560638	5417485	21	C	50	32.91	194	0.05	6.03	17.0	16	3	470	379	1.08	11.0	0.62	0.01	63	56.6	16	12.2	49	34	1.1	31.5	1.58	0.9	3.1	3.14
5165	12-5165	12A/16	560149	5411925	21	C	50	35.90	200	0.05	6.84	11.0	10	2	400	407	1.21	7.0	0.84	0.12	55	50.4	13	10.0	80	49	1.2	32.4	1.56	1.0	3.2	3.27
5166	12-5166	12A/16	557551	5420647	21	BC	50	37.52	261	0.05	6.68	15.0	16	2	400	400	1.09	31.0	1.04	0.01	57	48.9	12	9.2	75	43	1.1	18.9	1.81	0.9	2.9	2.86
5167	12-5167	12A/16	559254	5422474	21	C	90	38.34	242	0.05	6.51	11.0	10	2	430	412	1.20	26.0	1.29	0.01	58	52.8	11	8.6	70	44	0.8	17.2	2.02	1.3	3.0	2.92
5168	12-5168	12A/16	558051	5422138	21	C	90	38.90	274	0.05	6.60	8.8	9	3	390	381	1.19	31.0	1.34	0.01	45	42.9	15	10.5	78	43	0.7	10.7	2.00	1.2	3.2	3.14
5169	12-5169	12A/16	558099	5423961	21	C	45	35.60	291	0.05	6.32	10.0	9	3	410	394	1.15	16.0	1.24	0.01	53	49.6	9	6.9	55	37	0.8	17.7	2.01	1.0	2.9	2.91
5170	12-5170	12A/16	555366	5420835	21	BC	50	34.08	322	0.05	6.65	5.6	6	2	420	388	1.23	34.0	1.14	0.01	57	51.4	6	4.7	74	42	0.7	8.8	2.38	1.3	2.4	2.37
5171	12-5171	12A/16	556324	5423315	21	C	55	34.95	302	0.05	6.52	5.2	6	2	430	415	1.28	20.0	1.15	0.01	68	54.9	7	4.7	80	44	0.8	9.9	2.30	1.4	2.9	2.76
5172	12-5172	12A/16	555763	5424067	21	C	95	44.12	307	0.05	6.30	5.3	5	2	440	421	1.25	4.0	1.67	0.01	41	40.4	7	4.6	100	45	0.7	8.5	2.32	1.2	3.2	2.93
5173	12-5173	12A/16	5425014	5425014	21	C	55	48.26	346	0.05	6.50	4.7	6	3	420	417	1.18	21.0	1.41	0.01	43	41.1	6	4.7	83	42	0.25	11.0	2.07	1.2	2.8	2.73
5175	12-5175	12A/16	561353	5416349	21	BC	45	29.09	170	0.05	6.26	12.0	13	3	320	323	0.88	4.0	0.53	0.12	46	39.1	8	6.4	54	33	1.2	19.8	1.29	0.8	3.0	3.05
5176	12-5176	12A/16	562283	5417188	21	BC	50	27.38	167	0.05	7.29	332.0	335	15	350	367	1.07	11.0	0.43	0.74	32	38.9	14	10.3	54	36	2.2	19.5	1.14	0.5	4.8	4.82
5177	12-5177	12A/16	563263	5418510	21	BC	40	35.74	190	0.05	6.37	16.0	16	3	390	381	1.06	4.0	0.60	0.14	50	41.0	12	8.3	60	35	1.2	25.0	1.05	0.9	3.0	2.91
5178	12-5178	12A/16	564828	5419063	21	C	50	39.59	154	0.05	6.31	19.0	18	4	430	396	1.12	20.0	0.76	0.01	51	43.5	11	7.7	73	37	1.0	23.8	1.56	0.9	3.3	3.17
5179	12-5179	12A/16	565477	5420477	21	BC	45	29.05	162	0.05	6.79	20.0	20	4	340	348	1.13	7.0	0.62	0.13	46	44.4	12	8.9	65	41	1.4	21.2	1.36	0.8	3.7	3.74
5182	12-5182	12A/16	550404	5426979	21	C	80	34.96	316	0.05	6.37	7.8	8	1	380	357	1.08	9.0	2.35	0.01	39	42.2	10	6.5	68	42	0.6	17.9	2.40	1.4	3.6	3.37
5206	12-5206	12A/16	559117	5401614	21	C	80	46.89	283	0.05	6.19	38.0	35	6	410	380	1.13	3.0	1.49	0.23	89	72.1	21	13.7	56	39	1.7	57.7	2.48	1.5	4.9	4.56
5207	12-5207	12A/16	560006	5402297	21	C	80	33.48	282	0.05	6.84	32.0	33	5	320	350	1.55	14.0	1.05	0.25	110	93.4	33	25.6	50	40	1.7	71.7	2.40	1.7	4.4	4.50
5208	12-5208	12A/16	560564	5403598	21	C	60	32.58	294	0.05	6.36	15.0	15	4	370	381	1.03	14.0	1.21	0.14	52	56.5	14	10.0	44	40	1.1	33.5	1.93	1.1	3.3	3.72
5209	12-5209	12A/16	559735	5403735	21	C	50	34.56	275	0.05	6.39	18.0	17	3	360	311	0.95	31.0	1.31	0.12	56	54.1	10	7.2	49	38	1.0	30.5	1.91	1.0	3.4	3.46
5210	12-5210	12A/16	560743	5404526	21	C	50	35.08	304	0.05	6.13	25.0	23	7	380	387	1.16	8.0	1.24	0.18	60	55.5	19	13.5	46	38	1.5	42.5	2.09	1.6	4.2	4.16
5211	12-5211	12A/16	562511	5405085	21	C	70	38.96	309	0.05	6.15	23.0	21	12	410	414	1.14	8.0	1.14	0.20	55	52.4	20	13.8	55	39	1.3	37.5	1.94	1.4	4.2	4.06
5212	12-5212	12A/16	562437	5406474	21	C	70	32.12	279	0.05	6.07	15.0	16	4	300	316	1.05	25.0	1.07	0.17	94	76.6	14	9.9	48	36	1.4	30.2	2.64	1.6	3.5	3.43
5213	12-5213	12A/16	564495	5406076	21	C	50	34.56	275	0.05	6.39	18.0	17	3	360	354	1.15	12.0	1.02	0.16	77	65.1	15	10.5	61	42	2.0	29.9	2.48	1.4	4.0	3.85
5214	12-5214	12A/16	564617	5404450	21	B	50	31.82	258	0.05	7.21	35.0	35	4	280	316	1.20	18.0	1.01	0.30	72	62.8	32	22.5	53	43	2.0	51.3	1.97	1.6	5.5	5.33
5215	12-5215	12A/16	565284	5405160	21	C	40	30.85	257	0.05	6.54	24.0	24	3	310	322	1.05	14.0	0.89	0.24	74	58.7	21	14.0	68	45	1.9	37.8	1.69	1.2	4.7	4.61
5216	12-5216	12A/16	561673	5405024	21	C	50	26.91	306	0.05	7.38	20.0	26	7	360	296	1.03	8.0	1.44	0.19	52	51.9	14	11.0	56	45	1.9	32.4	1.66	1.1	4.3	4.52
5217	12-5217	12A/16	561566	5406012	21	C	70	34.88	267	0.05	6.44	20.0	20	5	300	354	1.24	21.0	0.97	0.25	59	50.9	12	15.9	46	33	0.9	43.2	1.99	1.2	3.3	3.99
5218	12-5218	12A/16	561287	5407086	21	C	85	41.91	266	0.05	6.48	27.0	20	5	310	296	1.20	5.0	0.80	0.25	96	72.8	22	15.6	26	26	2.2	54.4	1.77	1.3	4.3	4.10
5219	12-5219	12A/16	550403	5406137	21	C	100	43.17	181	0.05	6.23	28.0	26	5	310	296	1.24	1.0	1.10	0.01	78	67.4	16	10.0	30	19	1.6	44.4	3.27	1.7	3.6	3.40
5220	12-5220	12A/16	551843	5407786	21	C	90	47.66	176	0.05	6.16	11.0	11	4	650	585	1.42	16.0	0.76	0.21	72	62.9	14	10.2	31	24	1.6	41.5	2.92	1.1	3.6	3.58
5221	12-5221	12A/16	554173	5409079	21	C	80	29.41	190	0.05	6.04	20.0	17	2	320	319	1.16	16.0	0.76	0.21	78	67.4	16	10.0	30	19	1.6	44.4	3.27	1.7	3.6	3.40
5222	12-5222	12A/16	553312	5408092	21	C	35	32.68	263	0.05	7.02	17.0	17	2	310	304	1.02	9.0	0.53	0.16	73	67.0	15	11.1	34	24	2.1	41.0	2.10	1.2	4.9	4.88
5224	12-5224	12A/16	554173	5409079	21	C	80	29.41	190	0.05	6.04	20.0	17	2	320	319	1.16	16.0	0.76	0.21	78	67.4	16	10.0	30	19	1.6	44.4	3.27	1.7	3.6	3.40
5225	12-5225	12A/16	554173	5409079	21	C	80	29.41	190	0.05	6.04	20.0	17	2	320	319	1.16	16.0	0.76	0.21	78	67.4	16	10.0	30	19	1.6	44.4	3.27	1.7	3.6	3.40
5226	12-5226	12A/16	554930	5410620	21	C	100	48.58	178	0.05	6.00	12.0	13	2	550	518	1.27	7.0	0.95	0.12	110	85.4	15	10.9	42	27	1.5	50.1	2.59	1.5	3.4	3.28
5227	12-5227	12A/16	555956	5411340	21	B	50	30.21	161	0.05	7.46	18.0	19	2	250	253	1.35	31.0	0.60	0.01	53	55.0	15	13.2	37	35	1.7	30.6	2.25	1.0	3.8	4.39
5228	12-5228	12A/16	556210	5410372	21	C	85	32.34	221	0.05	6.38	16.0	15	3	360	349	1.11	13.0	0.91	0.01	55	51.5	16	11.8	30	27	1.6	37.9	1.72	0.9	3.6	3.67
5229	12-5229	12A/16	555123	5407754	21	C	50	30.30	250	0.05	6.54	20.0	19	7	380	386	1.28	6.0	0.71	0.24	58	56.2	20	14.1	46	35	2.2	46.6	1.95	1.1	3.7	3.94
5230	12-5230	12A/16	557605	5410150	21	C	70	32.71	235	0.05	6.34	23.0	21	5	440	427	1.26	3.0	0.95	0.24	54	53.3	17	12.1	42	30	1.6	41.1	2.51	1.2	4.1	3.99
5231	12-5231	12A/09	573400	5399585	21	C	40	38.75	251																							

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5254	12-5254	12A/09	564026	5389389	21	C	110	45.33	274	0.05	5.54	5.7	6	2	270	274	1.50	4.0	0.82	0.01	88	32.9	4	3.4	30	22	25	22.2	1.24	0.9	1.2	1.25
5255	12-5255	12A/09	562452	5390785	21	C	150	51.62	258	0.05	5.19	16.0	15	4	230	225	1.28	1.0	1.45	0.01	60	38.6	14	11.0	84	58	25	97.5	1.52	1.0	2.8	2.86
5256	12-5256	12A/09	565239	5389679	21	C	120	38.56	282	0.05	5.79	9.4	9	2	290	290	1.67	14.0	0.96	0.01	75	46.9	8	6.6	42	37	29	29.7	1.47	0.6	1.8	1.95
5257	12-5257	12A/09	5663852	5388357	21	C	150	41.24	311	0.05	5.96	10.0	9	5	270	258	1.77	7.0	0.88	0.01	82	40.4	9	6.7	40	34	30	35.5	1.40	0.9	2.2	2.27
5258	12-5258	12A/09	564638	5388714	21	C	50	37.41	345	0.05	6.10	7.6	8	2	320	329	1.84	8.0	0.83	0.01	72	42.1	8	6.0	44	33	30	29.5	1.24	0.8	1.9	1.94
5259	12-5259	12A/09	566210	5391108	21	C	80	43.89	252	0.05	5.44	29.0	28	3	290	274	1.47	3.0	1.12	0.15	80	52.4	14	9.9	61	40	27	45.2	1.85	1.3	3.1	3.02
5260	12-5260	12A/09	570824	5388914	21	C	120	46.43	281	0.05	5.53	6.0	7	1	410	385	1.57	8.0	0.62	0.01	98	43.9	2	2.6	18	13	24	12.7	1.66	1.0	1.0	1.00
5261	12-5261	12A/09	569765	5389135	21	C	100	36.15	263	0.05	6.01	18.0	17	2	350	341	2.14	5.0	0.72	0.01	82	39.9	7	5.6	37	27	33	25.4	1.36	1.3	1.9	1.86
5263	12-5263	12A/09	569187	5388736	21	C	120	47.94	251	0.05	5.31	6.7	6	1	370	348	1.62	1.0	0.70	0.01	95	30.6	3	2.4	12	7	23	7.7	1.35	0.9	0.8	0.79
5264	12-5264	12A/09	568924	5389417	21	C	100	44.21	253	0.05	5.17	6.9	7	3	370	331	1.51	1.0	0.74	0.01	80	34.7	4	3.0	25	15	21	11.5	1.34	1.0	1.0	1.01
5265	12-5265	12A/09	568186	5390096	21	C	90	40.83	247	0.05	5.79	9.1	9	2	410	379	1.79	4.0	0.69	0.01	110	45.8	4	3.5	20	14	29	11.1	1.70	1.1	1.2	1.22
5266	12-5266	12A/09	567777	5391015	21	C	200	49.71	248	0.05	5.37	5.9	6	2	320	303	1.61	0.05	0.85	0.01	92	39.0	3	3.2	24	16	24	14.3	1.60	1.0	1.2	1.14
5267	12-5267	12A/09	568686	5391691	21	C	85	47.03	248	0.05	5.31	7.6	7	2	300	294	1.58	0.05	0.83	0.01	82	44.5	6	4.9	45	26	27	13.1	1.44	1.2	1.9	1.81
5268	12-5268	12A/09	569769	5391874	21	C	150	42.33	254	0.05	5.69	13.0	12	9	330	313	1.80	4.0	0.93	0.01	86	48.4	9	6.6	52	32	33	43.5	1.85	1.0	2.3	2.16
5269	12-5269	12A/09	570209	5390800	21	C	80	47.63	265	0.05	5.32	8.0	7	3	330	321	1.56	7.0	0.75	0.01	98	46.2	5	4.3	38	18	21	13.8	1.63	1.1	1.3	1.25
5270	12-5270	12A/09	571244	5397674	21	C	100	46.98	236	0.05	5.03	67.3	59	6	300	278	1.26	1.0	0.96	0.21	74	52.3	20	14.2	63	34	23	36.0	1.96	1.5	3.1	2.87
5271	12-5271	12A/09	571649	5396842	21	C	80	37.21	268	0.05	5.23	16.0	15	3	270	265	1.28	12.0	0.76	0.01	69	37.9	8	5.8	53	30	22	26.5	1.19	0.9	2.2	2.07
5272	12-5272	12A/09	571268	5395965	21	C	120	48.25	263	0.05	4.85	10.0	9	2	310	285	1.32	0.05	0.79	0.01	72	36.9	6	4.7	44	23	21	14.2	1.28	1.1	1.8	1.59
5273	12-5273	12A/09	570969	5395038	21	C	120	50.23	262	0.05	5.15	7.2	14	2	320	291	1.39	0.05	0.84	0.01	68	46.5	4	6.7	27	30	18	25.3	1.63	0.9	1.2	2.19
5274	12-5274	12A/09	571527	5394166	21	C	120	44.95	268	0.05	4.42	14.0	7	5	320	292	1.14	1.0	0.69	0.01	81	35.6	9	3.0	54	14	30	8.2	1.42	1.2	2.4	1.16
5275	12-5275	12A/09	571562	5393049	21	C	80	37.29	256	0.05	5.76	17.0	16	3	280	271	1.48	15.0	0.80	0.01	72	41.9	6	5.1	48	36	29	24.4	1.24	0.9	2.2	2.24
5276	12-5276	12A/09	570531	5392813	21	C	150	43.67	257	0.05	5.32	17.0	15	4	340	302	1.65	0.05	0.91	0.01	78	41.8	8	5.8	53	35	30	34.1	1.71	1.2	2.3	2.02
5277	12-5277	12A/09	570500	5393945	21	C	80	33.38	257	0.05	5.62	10.0	10	29	320	303	1.55	0.05	0.62	0.01	91	54.4	9	6.2	57	33	30	14.6	1.09	1.0	2.1	2.04
5278	12-5278	12A/09	562280	5397643	21	C	80	28.13	321	0.05	5.43	14.0	14	2	390	380	0.91	0.05	0.46	0.01	58	41.9	11	7.7	55	36	32	12.0	0.85	1.1	2.6	2.52
5279	12-5279	12A/09	563105	5398136	21	C	50	37.90	334	0.05	5.76	22.0	21	5	410	391	0.98	18.0	0.66	0.11	92	64.9	9	6.5	58	33	16	34.1	1.62	1.6	3.3	2.98
5280	12-5280	12A/09	561376	5397123	21	C	35	38.29	292	0.05	5.80	28.0	26	8	390	380	1.10	12.0	0.52	0.16	87	62.6	12	8.9	60	39	21	32.0	1.82	1.5	3.6	3.38
5282	12-5282	12A/09	561429	5398002	21	C	70	48.47	293	0.05	4.87	25.0	22	7	400	376	0.90	2.0	0.89	0.13	72	60.4	14	8.7	44	26	12	27.9	2.10	1.6	3.5	3.14
5283	12-5283	12A/09	561332	5398749	21	C	40	37.53	276	0.05	5.60	20.0	18	5	520	487	1.05	0.05	1.00	0.14	80	63.8	15	10.0	46	27	16	43.5	1.98	1.7	3.6	3.32
5284	12-5284	12A/16	561340	5399680	21	BC	50	21.95	275	0.05	8.28	43.0	44	6	260	278	1.28	27.0	0.50	0.30	43	43.5	21	16.3	39	41	1.9	48.4	1.64	0.8	4.8	5.53
5285	12-5285	12A/16	567050	5400575	21	BC	60	21.88	269	0.05	7.76	25.0	25	4	200	234	0.94	63.0	0.46	0.18	38	44.0	46	35.6	45	37	14	20.8	0.24	1.1	6.8	7.17
5286	12-5286	12A/16	561608	5411288	21	C	80	35.69	221	0.05	5.92	18.0	15	6	340	325	1.05	25.0	1.01	0.01	54	50.4	10	7.4	42	30	13	28.4	2.24	1.7	3.4	3.26
5287	12-5287	12A/16	560402	5410444	21	C	50	35.22	232	0.05	6.24	21.0	18	6	370	386	1.24	10.0	0.60	0.18	50	50.9	15	10.8	40	36	22	39.3	1.33	1.3	4.2	4.24
5288	12-5288	12A/16	559432	5411035	21	C	60	39.16	212	0.05	6.11	20.0	17	5	380	366	1.22	7.0	0.83	0.01	61	60.4	21	15.2	46	30	17	38.7	2.09	1.4	3.9	3.78
5289	12-5289	12A/16	558772	5410349	21	C	70	36.94	221	0.05	6.11	11.0	9	5	340	340	1.02	6.0	0.79	0.01	41	38.7	11	8.1	39	28	16	37.5	1.14	1.0	3.3	3.28
5290	12-5290	12A/16	557303	5408729	21	C	70	29.23	254	0.05	6.59	21.0	20	5	320	317	1.02	25.0	0.67	0.01	48	44.0	12	8.3	44	34	20	39.1	1.27	1.0	4.0	3.99
5291	12-5291	12A/16	558715	5409294	21	C	30	36.59	279	0.05	6.24	19.0	18	5	280	276	0.96	31.0	1.22	0.01	43	41.3	15	10.4	36	24	14	21.6	1.84	1.0	3.7	3.65
5292	12-5292	12A/16	559298	5407577	21	C	60	33.74	286	0.05	6.37	25.0	22	6	400	390	1.29	11.0	0.67	0.01	56	57.1	17	12.1	48	36	23	51.5	1.26	1.2	4.4	4.42
5293	12-5293	12A/16	557967	5406012	21	C	40	31.06	304	0.05	6.21	18.0	17	4	390	398	1.28	3.0	0.94	0.01	50	51.7	18	14.4	50	33	21	35.4	1.55	1.3	4.0	4.27
5294	12-5294	12A/16	559028	5406622	21	C	40	33.38	279	0.05	6.63	22.0	20	5	430	418	1.35	9.0	0.84	0.01	63	55.4	23	17.0	54	33	23	51.7	1.61	1.6	4.8	4.66
5295	12-5295	12A/16	560933	5407894	21	C	40	31.34	251	0.05	6.42	21.0	21	4	310	330	1.39	16.0	0.76	0.01	91	77.3	17	13.6	47	32	18	44.4	2.38	1.2	3.8	3.93
5296	12-5296	12A/16	558086	5411751	21	C	30	30.00	211	0.05	5.99	18.0	17	3	400	399	1.27	0.05	0.84	0.01	63	58.1	19	14.1	37	25	17	38.5	1.66	1.2	4.0	3.95
5297	12-5297	12A/16	557400	5412781	21	C	40	31.62	163	0.05	5.96	11.0	11	4	330	350	1.04	18.0	1.01	0.01	69	60.8	10	7.4	40	27	10	36.7	1.82	1.4	3.1	3.18
5298	12-5298	12A/16	558227	5412842	21	C	100	38.17	178	0.05	6.10	25.0																				

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5321	12-5321	12A/16	565550	5407214	21	C	45	34.00	258	0.05	6.45	20.0	19	5	380	368	1.17	9.0	0.94	0.17	58	58.7	17	14.4	67	50	1.7	39.0	1.82	0.8	3.5	4.02
5323	12-5323	12A/16	566177	5405708	21	C	45	39.37	264	0.05	5.90	24.0	22	5	410	390	0.99	7.0	1.18	0.01	67	61.8	16	12.2	53	34	1.0	34.5	1.75	1.1	3.6	3.56
5324	12-5324	12A/16	565523	5406440	21	C	45	42.99	251	0.05	6.01	27.0	24	3	370	337	1.09	4.0	1.58	0.01	61	58.8	14	10.7	55	39	0.9	27.2	1.98	1.6	3.6	3.49
5325	12-5325	12A/16	566899	5409696	21	C	45	37.23	262	0.05	6.20	22.0	20	3	410	387	1.25	3.0	0.97	0.01	63	58.3	20	14.5	51	33	1.5	38.2	2.30	1.2	3.9	3.96
5326	12-5326	12A/16	567675	5410342	21	C	50	44.76	255	0.05	6.53	60.3	55	5	370	348	1.14	5.0	1.28	0.01	61	54.8	23	16.7	60	40	1.3	41.4	1.76	1.5	4.3	4.02
5327	12-5327	12A/16	568421	5410870	21	C	50	35.27	245	0.05	6.40	39.0	37	9	320	320	1.13	10.0	1.10	0.01	65	59.3	17	13.0	52	36	1.4	35.6	1.71	1.3	4.1	4.00
5328	12-5328	12A/16	492861	5395225	21	C	120	37.00	420	0.05	6.26	4.5	4	2	310	301	1.20	16.0	1.92	0.10	41	41.4	16	11.5	140	74	0.6	32.5	1.91	1.1	4.1	3.93
5329	12-5329	12A/11	493794	5395203	21	C	80	39.31	412	0.05	6.22	5.7	5	2	320	313	1.02	14.0	2.53	0.01	40	39.9	19	13.3	180	89	0.25	45.7	1.83	1.2	4.3	3.86
5330	12-5330	12A/11	495561	5395601	21	C	60	36.91	358	0.05	6.45	5.1	4	0.5	350	347	1.07	18.0	2.06	0.01	37	37.4	13	9.4	170	79	0.25	33.9	1.75	1.1	3.7	3.52
5331	12-5331	12A/11	494664	5395379	21	C	70	33.87	362	0.05	6.05	5.3	5	0.5	350	342	1.04	0.05	3.28	0.01	34	39.5	16	11.3	150	79	0.25	30.5	2.01	1.1	4.1	3.79
5332	12-5332	12A/11	494093	5394425	21	C	70	38.61	401	0.05	6.31	4.3	4	0.5	400	391	1.02	23.0	2.17	0.01	36	41.4	13	10.0	130	76	0.25	37.9	1.95	0.9	3.3	3.36
5333	12-5333	12A/11	4939547	5393547	21	C	90	43.45	422	0.05	6.29	4.4	4	4	480	456	1.09	6.0	2.12	0.01	45	45.6	14	9.6	200	96	0.25	21.7	1.91	1.1	3.5	3.29
5334	12-5334	12A/11	493932	5393206	21	C	90	36.54	384	0.05	6.03	3.2	4	0.5	530	519	1.03	9.0	1.92	0.01	44	41.3	9	7.4	180	85	0.25	14.8	1.69	1.1	2.9	2.80
5335	12-5335	12A/11	495221	5393886	21	C	95	44.43	382	0.05	6.20	4.1	4	0.5	480	454	1.16	13.0	2.12	0.01	45	43.3	12	8.4	170	84	0.25	21.8	1.90	1.0	3.4	3.08
5336	12-5336	12A/11	5392747	5392747	21	C	90	37.45	324	0.05	6.19	4.2	4	1.0	500	486	1.23	12.0	2.07	0.01	49	44.6	10	7.0	170	75	0.6	23.6	2.41	1.1	3.2	3.00
5337	12-5337	12A/11	494501	5392556	21	C	150	39.16	340	0.05	6.34	4.4	4	0.5	540	502	1.14	7.0	2.16	0.01	55	48.6	12	8.7	150	75	0.25	39.1	2.18	1.1	3.4	3.17
5338	12-5338	12A/11	494847	5391662	21	C	90	38.03	345	0.05	6.21	4.2	4	0.5	550	533	1.12	8.0	1.71	0.01	49	47.0	10	7.1	130	64	0.25	18.3	2.22	1.1	3.0	2.87
5339	12-5339	12A/11	495624	5391060	21	C	90	37.80	299	0.05	6.13	3.6	3	3	550	517	1.03	12.0	1.84	0.01	48	43.0	12	8.0	110	53	0.25	22.0	1.82	0.9	2.8	2.59
5341	12-5341	12A/10	503364	5398142	21	C	50	27.69	368	0.05	6.76	4.8	5	12	270	286	0.97	81.0	1.03	0.15	26	33.5	8	7.8	100	72	0.8	23.6	1.56	0.3	2.9	3.36
5342	12-5342	12A/10	503119	5393998	21	BC	40	29.13	315	0.05	5.37	3.8	3	2	220	227	0.66	11.0	1.25	0.01	17	22.4	4	4.2	100	50	0.8	12.0	1.19	0.6	1.8	1.84
5343	12-5343	12A/10	501112	5393812	21	C	50	26.82	325	0.05	7.99	4.0	4	2	280	314	1.55	65.0	0.76	0.13	41	41.4	12	9.2	69	49	0.7	12.4	1.73	0.7	3.7	3.67
5344	12-5344	12A/10	500764	5397982	21	C	60	22.72	371	0.05	7.38	5.1	5	2	270	312	1.21	55.0	1.06	0.13	53	52.3	10	8.9	140	76	0.6	20.6	2.36	0.9	3.9	3.96
5345	12-5345	12A/14	498883	5400236	21	C	60	28.86	344	0.05	6.82	4.7	4	2	280	298	1.13	52.0	1.41	0.01	76	63.4	17	13.2	360	193	1.7	24.7	1.61	0.7	3.8	3.70
5346	12-5346	12A/11	499196	5398199	21	B	50	17.07	370	0.05	5.02	2.7	4	2	290	336	0.69	24.0	1.24	0.17	21	30.4	8	6.2	440	125	0.8	10.2	0.93	0.3	4.9	4.86
5347	12-5347	12A/11	499159	5396084	21	BC	55	23.59	368	0.05	8.16	4.4	5	0.5	180	223	0.87	82.0	1.26	0.14	31	35.9	14	10.8	190	102	0.6	27.1	1.74	1.0	4.2	4.22
5348	12-5348	12A/11	499630	5393382	21	BC	50	20.95	340	0.05	9.07	4.2	6	0.5	250	268	1.07	136.0	0.92	0.01	46	42.0	8	5.6	110	72	0.25	13.6	2.58	0.7	4.1	3.97
5349	12-5349	12A/10	502982	5395430	21	C	30	33.21	517	0.05	6.79	3.5	3	2	310	314	1.18	11.0	1.18	0.01	37	40.3	21	15.0	140	83	1.2	41.8	2.42	1.5	4.5	4.04
5350	12-5350	12A/11	487353	5390695	21	B	40	20.32	344	0.05	8.48	2.3	1	0.5	140	160	1.11	77.0	0.73	0.01	15	25.8	7	6.1	69	61	0.6	15.5	1.23	0.3	5.1	5.27
5351	12-5351	12A/11	489354	5398930	21	B	40	28.76	338	0.05	6.66	2.3	3	0.5	320	334	0.79	31.0	1.52	0.01	21	25.8	8	7.2	66	55	0.9	28.4	1.14	0.3	2.0	2.32
5352	12-5352	12A/11	490906	5399876	21	BC	40	21.88	355	0.05	8.52	2.4	3	0.5	240	256	0.71	117.0	1.01	0.01	27	32.1	7	5.7	95	71	0.25	51.4	1.54	0.7	4.2	4.41
5353	12-5353	12A/11	494222	5388882	21	C	60	30.88	246	0.05	6.78	5.8	6	0.5	390	400	1.11	14.0	1.04	0.01	47	42.5	14	11.6	87	51	0.8	19.6	1.26	0.7	3.2	3.16
5354	12-5354	12A/11	496008	5387980	21	BC	45	27.16	240	0.05	5.71	3.4	3	0.5	350	373	0.87	26.0	0.94	0.01	29	29.9	4	3.8	76	35	0.8	5.9	1.13	0.3	2.4	2.42
5355	12-5355	12A/11	490694	5387484	21	C	50	29.95	273	0.05	5.38	4.7	4	0.5	390	397	1.01	9.0	1.27	0.01	33	33.7	9	6.9	88	42	0.8	10.9	1.36	0.8	2.6	2.54
5356	12-5356	12A/11	486678	5387808	21	C	45	26.76	24	0.05	7.72	3.4	4	0.5	260	274	1.18	84.0	1.25	0.01	33	35.7	13	10.1	100	68	0.8	21.2	1.41	0.9	3.5	3.53
5357	12-5357	12A/11	486640	5385909	21	BC	40	24.29	341	0.05	5.94	6.4	7	0.5	170	214	0.80	92.0	0.76	0.01	20	29.9	5	4.5	72	46	0.8	9.8	1.32	0.9	5.7	5.80
5358	12-5358	12A/11	485550	5385550	21	BC	40	33.70	519	0.05	5.68	9.0	8	4	280	272	0.87	44.0	1.00	0.01	36	36.8	11	8.6	81	40	0.9	24.7	1.42	0.9	3.1	3.17
5360	12-5360	12A/11	481828	5384232	21	BC	45	33.83	346	0.05	6.55	5.3	6	0.5	260	284	0.91	67.0	1.31	0.01	38	39.9	8	7.2	85	51	0.7	23.8	1.30	0.7	3.1	3.22
5361	12-5361	12A/09	538285	5372080	21	BC	40	25.19	341	0.05	6.94	33.0	33	4	260	288	1.70	32.0	0.43	0.01	61	46.1	7	5.9	45	38	4.6	39.4	1.39	1.4	4.7	4.94
5362	12-5362	12A/09	540038	5372148	21	C	30	29.69	336	0.05	6.50	35.0	35	6	320	347	1.42	16.0	0.46	0.01	85	77.1	11	9.3	44	39	3.0	48.6	1.60	1.3	3.9	4.04
5363	12-5363	12A/09	541896	5372119	21	BC	50	20.90	347	0.05	9.06	9.1	10	0.5	200	224	2.52	81.0	0.56	0.01	49	56.7	4	3.3	12	21	4.0	10.0	3.30	1.3	4.5	4.76
5364	12-5364	12A/09	544241	5372248	21	BC	45	27.65	327	0.05	7.63	7.6	9	0.5	290	333	2.63	40.0	0.68	0.01	120	105.9	7	7.2	24	26	8.3	15.1	3.08	1.5	3.5	3.87
5365	12-5365	12A/09	546146	5372176	21	C	60	36.48	360	0.05	5.76	5.6	5	0.5	290	290	1.69	3.0	0.48	0.01	76	62.3	5	4.3	29	25	2.5	16.0	1.26	1.1	1.8	1.94
5366	12-5366	12A/09	548074	5372421	21	BC	45																									

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5389	12-5389	12A/09	558147	5376313	21	C	45	35.44	331	0.05	6.42	3.0	3	1.0	380	388	2.10	8.0	0.81	0.01	76	50.8	1	1.1	5	5	2.6	2.3	1.49	0.6	0.6	0.64
5390	12-5390	12A/09	556063	5376030	21	C	50	34.22	311	0.05	6.57	4.2	4	5	420	436	2.07	7.0	0.78	0.01	92	64.9	3	2.4	12	12	3.6	5.9	1.95	0.8	1.3	1.33
5391	12-5391	12A/09	554019	5376089	21	C	50	30.93	312	0.05	6.31	5.6	5	1.0	420	440	1.54	14.0	0.79	0.01	110	81.4	3	3.2	20	22	2.4	7.7	2.56	0.9	1.6	1.64
5392	12-5392	12A/09	551983	5376020	21	C	40	26.37	328	0.05	6.25	4.8	5	2	370	405	1.59	16.0	0.58	0.01	91	53.5	4	3.6	28	23	2.1	7.4	1.34	0.9	1.7	1.67
5393	12-5393	12A/09	550179	5375960	21	C	45	35.23	334	0.05	6.01	7.3	7	0.5	390	424	1.84	19.0	0.53	0.01	96	47.0	3	2.5	19	17	2.1	9.6	1.47	1.1	1.4	1.44
5394	12-5394	12A/09	547808	5376243	21	C	50	33.67	327	0.05	6.43	18.0	18	0.5	260	252	2.06	5.0	0.49	0.56	83	46.6	8	5.9	42	37	2.4	21.0	1.29	1.2	2.6	2.45
5395	12-5395	12A/09	546113	5376102	21	C	50	31.78	342	0.05	6.20	28.0	27	1.0	220	233	2.00	16.0	0.39	0.87	67	44.6	7	5.1	47	38	3.5	18.3	1.05	1.0	2.7	2.63
5396	12-5396	12A/09	543958	5376081	21	BC	45	23.18	349	0.05	7.96	42.0	4	3	300	320	2.58	38.0	0.33	1.29	74	56.0	12	10.9	81	65	3.0	96.5	1.35	1.6	5.1	5.26
5397	12-5397	12A/09	542353	5376059	21	B	40	27.18	366	0.05	3.92	14.0	14	2	280	279	0.84	1.0	0.01	0.42	99	50.1	1	0.5	39	30	3.3	0.5	0.81	1.6	0.9	0.85
5398	12-5398	12A/09	540611	5375936	21	B	40	18.57	396	0.05	4.80	0.25	1	0.5	25	43	0.78	30.0	4.21	0.13	8	33.6	31	20.8	180	142	2.8	10.1	2.01	1.1	9.4	10.02
5399	12-5399	12A/09	538178	5375859	21	C	50	30.48	342	0.05	5.92	50.2	45	3	310	323	1.27	5.0	0.35	1.42	66	48.5	6	5.3	42	34	3.2	19.3	1.19	1.0	3.4	3.26
5400	12-5400	12A/09	537886	5380045	21	C	50	31.17	297	0.05	5.40	63.0	57	6	210	206	1.08	9.0	0.58	1.81	68	58.5	14	11.9	89	55	2.4	40.4	1.89	1.2	3.8	3.74
5402	12-5402	12A/09	539768	5380003	21	B	35	19.36	282	0.05	7.10	115.0	114	3	130	145	0.97	54.0	0.32	3.69	29	33.1	13	10.7	65	59	1.8	27.3	0.86	1.0	6.7	6.54
5403	12-5403	12A/09	541583	5379971	21	C	45	22.85	290	0.05	7.99	55.5	54	9	370	397	1.58	16.0	0.13	1.69	81	49.2	11	9.8	48	45	3.4	27.7	1.20	1.8	4.9	4.88
5404	12-5404	02D/12	573858	5379658	21	C	55	28.76	307	0.05	6.80	8.4	9	2	430	443	1.81	19.0	0.46	0.31	110	70.6	5	4.8	58	38	2.9	13.8	1.81	1.3	2.8	2.72
5405	12-5405	12A/09	572100	5380026	21	C	55	31.30	336	0.05	6.12	5.3	6	0.5	540	551	1.70	23.0	0.71	0.19	130	90.3	2	2.2	29	19	1.9	5.4	2.85	1.2	1.1	1.12
5406	12-5406	12A/09	570054	5380092	21	C	60	44.95	364	0.05	5.64	2.7	5	4	680	648	1.65	12.0	0.75	0.19	190	139.9	1	1.9	22	10	2.2	2.7	4.17	1.3	0.7	0.69
5407	12-5407	12A/09	568311	5380369	21	C	55	31.03	344	0.05	6.10	6.8	7	0.5	450	432	1.89	22.0	0.64	0.21	110	72.9	1	2.0	15	11	2.9	4.5	2.34	0.9	1.3	1.16
5408	12-5408	12A/09	565664	5380052	21	BC	35	33.64	330	0.05	6.64	3.5	4	1.0	340	325	2.06	17.0	0.66	0.13	59	47.4	1	1.9	5	8	2.7	7.7	1.51	0.3	1.0	1.05
5409	12-5409	12A/09	563997	5380252	21	C	60	39.94	334	0.05	6.19	2.6	3	0.5	320	321	2.00	19.0	0.80	0.11	62	50.1	1	1.4	5	6	2.8	7.5	1.51	0.7	0.5	0.54
5410	12-5410	12A/09	561919	5380036	21	C	50	35.02	330	0.05	6.52	3.6	5	0.5	320	336	2.19	3.0	0.79	0.01	61	55.7	1	2.3	5	10	2.5	4.4	1.43	0.6	0.6	0.72
5411	12-5411	12A/09	560332	5380054	21	C	60	40.68	320	0.05	6.18	4.4	4	0.5	330	339	2.38	7.0	0.88	0.01	98	77.8	1	2.6	5	9	3.2	4.6	2.17	0.6	0.8	0.79
5412	12-5412	12A/09	558104	5380029	21	C	50	34.67	313	0.05	6.60	5.0	5	0.5	380	375	1.58	4.0	0.58	0.01	100	34.9	1	3.3	20	13	2.9	3.7	1.03	1.0	1.0	1.02
5413	12-5413	12A/09	555944	5380157	21	C	50	40.87	310	0.05	5.85	4.0	3	1.0	440	432	1.36	3.0	0.50	0.01	120	32.0	1	1.1	15	7	2.0	2.9	1.15	1.1	0.8	0.74
5414	12-5414	12A/09	554069	5379740	21	C	65	35.11	287	0.05	5.78	6.5	6	2	320	334	1.42	22.0	0.47	0.01	110	30.8	1	2.0	14	10	2.2	7.1	1.16	1.0	1.0	0.96
5415	12-5415	12A/09	552257	5379824	21	BC	60	31.77	326	0.05	7.25	18.0	18	4	330	355	1.85	16.0	0.45	0.01	100	25.6	71	57.8	33	26	3.6	11.5	0.05	1.4	2.6	2.63
5416	12-5416	12A/09	549597	5380137	21	C	45	30.90	327	0.05	6.85	18.0	16	2	210	221	1.74	1.0	0.47	0.01	74	39.8	7	5.3	54	32	3.0	18.8	0.69	0.7	2.4	2.44
5417	12-5417	12A/09	548100	5380100	21	BC	40	24.98	331	0.05	7.08	39.0	37	2	320	345	2.59	38.0	0.35	0.01	99	47.0	6	6.3	44	46	4.5	29.1	0.82	0.9	3.0	3.83
5418	12-5418	12A/09	545957	5379854	21	BC	50	21.37	279	0.05	7.97	38.0	38	3	260	286	1.76	41.0	0.26	0.14	92	77.9	19	16.9	71	63	4.2	64.9	0.79	1.1	4.2	4.76
5419	12-5419	12A/09	544909	5383876	21	BC	50	24.06	231	0.05	6.22	44.0	41	3	200	216	1.12	22.0	0.66	0.12	54	51.7	19	15.9	79	60	1.8	56.3	1.28	1.1	4.4	4.80
5421	12-5421	12A/09	543762	5380396	21	BC	40	21.81	322	0.05	5.11	29.0	28	4	240	268	0.96	21.0	0.42	0.01	74	40.7	4	3.6	38	31	3.2	9.6	0.95	1.4	3.6	3.72
5422	12-5422	12A/09	541675	5381746	21	BC	40	27.17	294	0.05	5.49	46.0	42	5	200	204	0.97	17.0	0.61	0.01	63	49.6	17	13.6	84	54	1.8	58.4	1.17	1.2	4.4	4.31
5423	12-5423	12A/09	540100	5384000	21	C	40	24.65	270	0.05	5.82	12.0	12	3	320	339	0.98	3.0	0.37	0.01	59	40.7	14	12.6	41	33	2.8	12.0	0.40	1.0	2.0	2.15
5424	12-5424	12A/09	541824	5383695	21	C	50	29.66	291	0.05	4.78	26.0	24	4	190	195	0.94	15.0	0.32	0.01	75	55.2	13	9.8	57	32	1.4	25.3	0.82	1.0	2.9	2.98
5425	12-5425	12A/09	543816	5383357	21	BC	50	21.03	276	0.05	8.46	36.0	36	0.5	440	503	1.18	15.0	0.33	0.11	42	45.6	5	3.7	43	38	6.7	22.8	0.81	1.2	5.9	6.61
5426	12-5426	12A/09	546079	5384054	21	C	40	31.95	237	0.05	4.89	9.3	8	2	250	264	0.85	6.0	0.50	0.01	70	43.5	3	3.2	49	30	3.1	4.6	0.87	1.4	1.6	1.59
5427	12-5427	12A/09	547901	5384964	21	BC	50	7.23	234	0.05	8.67	31.0	28	4	0.5	178	144	97.0	0.37	0.25	69	73.6	10	12.1	84	75	8.1	54.7	4.91	3.3	7.0	6.67
5428	12-5428	12A/09	554171	5383904	21	C	50	16.11	289	0.05	6.87	10.0	11	2	130	141	2.44	7.0	0.46	0.01	40	28.2	1	2.1	23	20	4.4	7.3	0.77	0.3	1.7	1.72
5429	12-5429	12A/09	556209	5384117	21	C	50	35.08	283	0.05	5.88	3.6	5	2	150	160	1.75	37.0	0.50	0.01	61	26.3	1	1.7	29	15	2.9	5.9	1.04	0.6	1.2	1.19
5430	12-5430	12A/09	558052	5384074	21	C	50	29.59	316	0.05	6.08	2.9	4	0.5	280	283	1.60	15.0	0.54	0.01	71	24.1	1	1.6	14	12	2.8	7.3	0.70	0.3	0.9	0.89
5431	12-5431	12A/09	559888	5384071	21	C	50	43.19	334	0.05	5.90	4.0	3	0.5	330	319	1.60	0.05	0.54	0.01	82	23.4	1	1.7	20	11	2.9	7.7	0.77	0.8	0.9	0.86
5432	12-5432	12A/09	561844	5384028	21	C	50	35.26	333	0.05	5.91	6.8	7	1.0	310	306	1.74	15.0	0.62	0.01	62	23.3	1	1.5	25	14	2.8	5.5	0.70	0.6	1.2	1.22
5433	12-5433	12A/09	563845	5384130	21	C	50	34.24	331	0.05	6.37	3.5	4	0.5	350	367																

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5456	12-5456	12A/09	552079	5388299	21	C	50	21.49	271	0.05	5.71	25.0	24	2	210	216	0.89	24.0	1.06	0.16	60	41.9	14	11.7	86	61	1.5	24.9	1.12	1.3	4.3	3.88
5457	12-5457	12A/09	549761	5386965	21	BC	45	29.90	245	0.05	6.54	17.0	19	4	140	151	0.66	33.0	1.32	0.15	39	32.8	14	9.6	150	97	1.1	36.9	1.26	0.8	5.1	4.88
5458	12-5458	12A/09	547923	5388024	21	BC	50	24.16	295	0.05	6.16	19.0	21	4	270	283	1.17	28.0	0.31	0.15	62	44.1	9	7.0	77	51	2.8	16.7	0.74	1.1	3.5	3.46
5459	12-5459	12A/09	546093	5387322	21	C	50	28.03	276	0.05	5.56	34.0	33	4	260	255	1.02	13.0	0.36	0.19	55	39.9	14	11.3	73	43	2.3	27.0	1.07	0.7	3.9	3.87
5460	12-5460	12A/09	543658	5388063	21	C	50	23.48	319	0.05	6.64	43.0	47	2	270	318	1.02	16.0	0.36	0.23	50	41.1	13	10.9	45	34	2.3	44.6	0.97	0.3	4.0	4.15
5461	12-5461	12A/09	542080	5387983	21	BC	40	26.70	312	0.05	5.77	11.0	12	0.5	290	289	0.77	9.0	0.39	0.01	52	33.1	3	2.2	31	28	2.4	8.7	0.74	0.6	2.0	2.23
5462	12-5462	12A/09	538051	5389763	21	BC	45	21.22	322	0.05	6.81	19.0	21	2	210	218	1.03	52.0	0.57	0.33	44	39.8	16	11.8	40	30	1.8	38.7	1.07	0.6	4.6	4.69
5463	12-5463	12A/09	542079	5391973	21	C	50	24.81	316	0.05	6.09	24.0	23	3	240	254	0.96	35.0	0.77	0.19	58	48.4	11	7.5	40	29	1.4	29.3	1.44	1.1	4.1	4.05
5464	12-5464	12A/09	546127	5393835	21	B	40	17.01	296	0.05	7.12	20.0	20	0.5	440	481	0.83	8.0	0.22	0.29	72	46.9	9	5.5	23	41	31.9	0.65	1.4	8.5	8.15	
5465	12-5465	12A/09	548186	5394829	21	BC	50	24.26	271	0.05	7.71	41.0	43	4	210	216	1.00	42.0	0.72	0.33	46	32.7	22	16.2	60	41	1.4	42.8	1.16	1.1	5.5	5.19
5466	12-5466	12A/09	550610	5394604	21	C	50	25.05	347	0.05	5.49	58.0	30	3	280	315	1.04	26.0	0.71	0.28	47	40.7	11	7.7	57	36	2.4	19.1	1.95	1.4	5.5	5.34
5467	12-5467	12A/09	551561	5394450	21	BC	45	16.33	312	0.05	9.28	4.0	6	0.5	600	610	1.61	24.0	0.01	0.17	89	71.0	19	15.2	5	7	4.6	24.0	0.90	1.6	6.1	5.69
5468	12-5468	12A/09	554149	5393973	21	C	50	31.10	245	0.05	5.80	26.0	27	3	280	318	1.06	13.0	0.50	0.16	83	64.6	11	8.8	65	42	2.0	38.9	1.92	1.1	3.5	3.54
5469	12-5469	12A/09	553081	5396634	21	C	50	25.18	254	0.05	5.92	11.0	12	0.5	280	332	0.91	6.0	0.91	0.12	53	43.6	8	6.6	51	36	2.4	16.1	1.32	1.3	3.2	3.37
5470	12-5470	12A/09	545908	5396341	21	C	40	25.68	289	0.05	6.24	7.3	7	3	350	330	1.05	5.0	0.96	0.13	45	45.0	10	7.2	45	30	2.4	16.9	1.42	1.1	3.3	3.56
5471	12-5471	12A/10	536353	5373990	21	BC	40	26.51	58	0.05	6.95	23.0	23	0.5	240	244	1.87	28.0	0.40	0.01	110	78.6	10	7.6	63	41	6.3	32.9	1.63	1.3	4.1	4.12
5472	12-5472	12A/07	538552	5371097	21	C	40	27.41	351	0.05	6.71	29.0	28	3	280	275	1.40	34.0	0.52	0.11	75	58.0	12	8.6	57	40	4.4	33.0	1.48	1.5	4.4	4.25
5473	12-5473	12A/07	531479	5369000	21	C	40	31.73	432	0.05	6.10	38.0	35	2	290	274	1.61	28.0	0.53	0.13	64	45.7	9	6.4	48	36	2.1	29.7	1.14	1.0	4.2	3.90
5474	12-5474	12A/07	532965	5369000	21	C	45	27.82	398	0.05	6.51	29.0	31	0.5	260	265	1.27	33.0	0.46	0.13	65	52.8	11	7.3	56	42	2.9	41.6	1.10	0.7	4.3	4.24
5475	12-5475	12A/07	536960	5368960	21	C	40	26.43	338	0.05	6.63	27.0	28	2	290	292	1.38	24.0	0.49	0.01	81	66.9	12	7.5	75	41	3.1	36.9	1.72	1.5	4.3	4.21
5477	12-5477	12A/07	536689	5369108	21	BC	50	28.91	334	0.05	7.75	24.0	24	0.5	440	439	2.66	7.0	0.65	0.14	260	178.6	19	13.9	50	36	12.0	32.4	5.10	1.7	6.4	6.13
5478	12-5478	12A/07	536961	5365021	21	B	40	20.79	316	0.05	9.06	2.3	4	0.5	290	325	4.87	5.0	0.10	0.01	140	62.9	4	1.8	12	10	4.5	2.2	1.41	1.8	1.2	1.37
5479	12-5479	12A/07	535165	5364891	21	BC	35	20.83	360	0.05	7.91	10.0	10	0.5	370	363	1.92	41.0	0.93	0.01	110	69.8	17	12.0	85	61	5.9	33.9	1.87	1.4	5.2	5.14
5480	12-5480	12A/07	533080	5365175	21	C	30	25.34	356	0.05	7.53	20.0	19	0.5	500	465	2.29	17.0	0.54	0.10	150	93.6	11	8.5	60	35	10.0	22.7	2.71	1.5	4.8	5.12
5481	12-5481	12A/07	533109	5364891	21	B	35	22.27	369	0.05	5.53	12.0	14	0.5	260	282	1.62	20.0	0.34	0.01	70	38.3	2	1.2	27	15	5.8	4.2	1.07	0.7	3.2	3.50
5482	12-5482	12A/07	534125	5358702	21	BC	35	17.14	344	0.05	8.97	6.3	7	0.5	400	441	1.99	52.0	0.40	0.14	140	58.5	7	5.6	56	50	8.8	15.1	1.61	1.6	5.9	5.94
5483	12-5483	12A/08	537311	5359517	21	BC	40	25.98	310	0.05	7.77	5.5	5	0.5	520	522	2.35	6.0	0.78	0.01	170	78.9	11	7.7	37	24	6.1	15.5	2.23	1.8	4.4	4.26
5484	12-5484	12A/07	533907	5357451	21	C	40	24.56	297	0.05	8.17	6.1	6	0.5	590	595	2.44	22.0	1.13	0.11	200	107.5	13	10.0	59	37	8.6	19.3	3.06	1.7	4.8	4.87
5485	12-5485	12A/08	537287	5356948	21	BC	50	21.99	360	0.05	9.20	1.7	4	0.5	140	159	1.95	56.0	0.40	0.01	42	22.9	5	3.5	32	26	6.2	6.3	0.05	0.7	2.7	2.79
5486	12-5486	12A/11	495502	5386389	21	C	70	26.74	251	0.05	6.68	10.0	20	0.5	500	490	1.29	0.05	1.08	0.01	40	40.6	17	12.7	66	46	1.4	19.8	1.60	0.7	4.0	4.08
5487	12-5487	12A/16	549935	5410019	21	C	50	28.04	256	0.05	6.52	19.0	20	5	330	349	1.13	14.0	0.50	0.17	51	48.6	24	18.9	48	39	1.6	72.7	1.26	0.8	4.4	4.38
5488	12-5488	12A/16	550684	5410346	21	C	40	31.98	233	0.05	6.24	26.0	28	4	350	357	1.24	8.0	0.62	0.30	63	56.0	37	30.5	45	34	1.6	39.2	1.02	0.9	3.7	3.86
5489	12-5489	12A/16	548879	5408715	21	C	40	26.36	228	0.05	6.45	24.0	24	5	340	338	1.17	12.0	0.94	0.15	76	57.2	20	14.6	48	34	1.3	34.0	1.65	0.7	3.8	3.71
5490	12-5490	12A/16	5408715	5407969	21	BC	50	16.97	198	0.05	6.40	21.0	19	34	340	322	1.14	14.0	0.53	0.14	69	51.4	15	10.9	47	37	1.7	34.6	1.45	0.7	3.6	3.53
5491	12-5491	12A/16	548768	5407969	21	BC	50	16.97	198	0.05	7.24	18.0	21	52	150	173	1.40	50.0	0.24	0.17	63	56.4	26	21.4	33	35	1.4	17.6	2.46	1.2	6.7	6.68
5492	12-5492	12A/16	547407	5407917	21	B	45	18.72	201	0.05	7.70	17.0	20	0.5	160	168	0.99	46.0	0.20	0.24	34	31.8	18	15.1	21	27	1.9	36.2	1.02	0.5	5.7	5.58
5493	12-5493	12A/16	567379	5413511	21	C	50	36.63	250	0.05	5.96	4.6	4	7	390	363	0.92	7.0	1.21	0.01	39	35.3	8	5.0	60	35	1.2	8.6	1.62	1.1	3.0	2.90
5494	12-5494	12A/16	566571	5411479	21	C	40	26.36	228	0.05	6.45	24.0	24	5	340	338	1.17	12.0	0.94	0.15	76	57.2	20	14.6	48	34	1.3	34.0	1.65	0.7	3.8	3.71
5494	12-5494	12A/16	565946	5410715	21	C	40	32.92	244	0.05	6.01	27.0	25	11	370	352	1.15	4.0	1.09	0.13	54	49.8	15	10.3	40	29	1.1	28.9	2.59	1.7	3.6	3.40
5495	12-5495	12A/16	567074	5410778	21	C	40	31.23	276	0.05	6.38	16.0	17	2	370	333	1.03	13.0	1.17	0.13	54	48.5	14	10.2	52	40	1.2	28.9	1.86	1.1	3.8	3.62
5496	12-5496	12A/16	567585	5411720	21	C	45	26.99	238	0.05	6.07	17.0	17	3	310	315	1.09	11.0	1.10	0.11	49	46.9	12	9.8	60	39	1.3	30.0	1.92	0.7	3.3	3.33
5497	12-5497	12A/16	566919	5412606	21	C	40	27.54	239	0.05	6.40	18.0	20	3	350	335	1.12	18.0	1.11	0.15	47	46.7	20	15.7	52	39	1.5	37.1	1.99	1.1	3.8	3.83
5498																																

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5522	12-5522	12A/16	568483	5420696	21	C	100	35.87	176	0.05	5.93	13.0	12	0.5	470	403	1.18	10.0	0.99	0.01	77	60.8	18	11.2	79	46	1.4	36.2	2.46	1.2	3.7	3.14
5524	12-5524	12A/16	567185	5420506	21	C	90	34.79	165	0.05	6.50	13.0	12	0.5	440	409	1.30	6.0	0.71	0.01	78	67.0	22	15.5	75	46	2.1	47.4	2.32	0.9	4.0	3.85
5525	12-5525	12A/16	569289	5419763	21	C	100	43.51	175	0.05	5.60	15.0	13	3	440	390	1.16	2.0	0.98	0.01	54	50.8	21	14.9	46	31	1.2	39.3	2.32	1.1	3.2	2.99
5526	12-5526	12A/16	565367	5416927	21	C	40	41.90	203	0.05	5.67	15.0	14	2	420	391	1.10	7.0	0.96	0.01	50	46.0	19	13.8	56	31	1.0	32.1	1.93	0.8	3.4	3.13
5800	12-5800	12A/10	502997	5395875	21	C	25	20.89	475	0.05	6.09	0.25	3	0.5	87	104	0.38	30.0	2.41	0.01	13	28.3	8	3.7	61	37	0.25	11.4	1.75	0.8	4.6	4.87
5801	12-5801	12A/10	501667	5392711	21	C	20	21.38	439	0.05	5.81	0.25	3	0.5	81	91	0.38	95.0	3.44	0.01	11	31.2	22	12.8	95	80	0.25	40.8	1.91	0.7	7.4	8.01
5802	12-5802	12A/10	500904	5395768	21	BC	50	26.19	377	0.05	7.03	0.25	5	0.5	240	260	0.99	84.0	1.12	0.01	32	42.4	14	7.4	140	78	0.25	24.4	2.20	0.8	3.8	3.88
5803	12-5803	12A/14	496802	5399889	21	C	65	32.95	410	0.05	6.44	3.3	5	0.5	360	356	2.06	28.0	1.21	0.01	58	55.9	8	5.4	58	39	0.8	15.3	1.88	0.3	2.8	2.71
5805	12-5805	12A/11	494843	5398211	21	C	60	35.49	412	0.05	6.90	0.6	4	0.5	300	303	2.59	45.0	0.73	0.01	34	38.7	8	5.1	32	29	1.1	6.2	1.94	0.6	2.8	2.93
5806	12-5806	12A/11	497230	5398030	21	C	65	36.88	369	0.05	6.19	1.7	5	0.5	380	373	1.15	45.0	1.33	0.01	35	42.0	12	7.4	100	56	0.8	21.8	1.70	0.6	3.2	3.04
5807	12-5807	12A/11	497325	5396060	21	BC	66	36.34	448	0.05	7.13	0.9	4	0.5	460	431	1.03	44.0	1.94	0.01	36	42.8	16	10.1	180	91	0.25	39.4	2.23	0.7	3.2	3.08
5808	12-5808	12A/11	497303	5393931	21	BC	55	29.05	353	0.05	6.71	0.25	4	0.5	390	409	1.03	47.0	1.31	0.01	35	39.9	11	6.5	130	66	0.25	21.7	1.77	0.7	3.3	3.08
5809	12-5809	12A/11	491100	5394118	21	BC	25	23.83	460	0.05	6.85	0.25	3	0.5	240	226	0.89	59.0	2.32	0.01	13	24.4	14	7.4	280	174	0.25	37.5	1.30	0.3	3.7	3.48
5810	12-5810	12A/11	489161	5392605	21	C	55	30.65	411	0.05	7.12	0.25	4	0.5	220	226	0.89	59.0	2.32	0.01	18	31.6	16	10.3	140	81	0.25	21.1	1.72	0.7	4.1	3.95
5811	12-5811	12A/11	491047	5391458	21	C	75	35.59	488	0.05	6.39	0.7	3	0.5	560	558	1.03	28.0	1.53	0.01	44	44.2	9	6.4	92	54	0.25	19.8	1.71	0.6	2.6	2.59
5812	12-5812	12A/11	493272	5391125	21	C	65	28.32	336	0.05	6.77	0.25	3	0.5	480	499	0.97	37.0	1.23	0.01	40	43.2	8	5.6	91	57	0.25	12.2	1.46	0.6	2.7	2.81
5813	12-5813	12A/11	497947	5388901	21	C	60	35.21	242	0.05	5.91	6.2	7	0.5	380	376	1.16	9.0	1.33	0.01	43	43.6	11	8.1	81	47	0.6	23.5	2.27	0.7	3.3	3.16
5814	12-5814	12A/11	497867	5387465	21	C	45	31.54	240	0.05	6.49	2.7	5	2	300	306	0.98	35.0	1.21	0.01	23	30.7	9	5.7	72	45	0.25	21.6	1.71	0.7	2.6	2.52
5815	12-5815	12A/11	489286	5387518	21	C	70	26.45	293	0.05	6.40	4.5	7	0.5	260	261	0.84	32.0	1.68	0.01	42	44.8	21	14.5	100	64	0.7	45.2	1.51	0.8	4.4	4.13
5816	12-5816	12A/11	489286	5387518	21	BC	25	23.83	460	0.05	6.85	0.25	3	0.5	220	226	0.89	59.0	2.32	0.01	22	31.3	12	6.6	86	57	0.9	16.1	1.36	0.5	3.4	3.34
5817	12-5817	12A/11	483789	5386330	21	BC	50	24.62	357	0.05	7.61	0.25	3	0.5	220	255	1.22	82.0	1.61	0.01	26	35.3	15	8.3	110	79	0.8	13.7	1.69	0.6	4.6	4.50
5818	12-5818	12A/11	484478	5383472	21	C	35	35.13	568	0.05	5.52	8.5	9	0.5	300	297	0.98	13.0	1.07	0.01	36	40.5	10	7.2	85	39	0.8	28.1	1.96	1.0	3.2	2.87
5819	12-5819	12A/11	481461	5381900	21	C	65	40.20	298	0.05	4.97	7.5	8	0.5	280	268	0.84	13.0	1.24	0.01	29	35.6	10	6.9	85	41	0.7	26.7	1.63	0.8	2.8	2.54
5820	12-5820	12A/09	537886	5373950	21	BC	45	23.87	340	0.05	7.53	6.4	8	0.5	290	306	1.98	10.0	0.81	0.01	71	67.3	10	8.7	65	56	7.1	11.9	1.24	1.1	3.7	3.95
5821	12-5821	12A/09	540192	5374226	21	C	45	24.27	353	0.05	5.94	1.2	5	0.5	270	305	1.13	38.0	0.47	0.01	64	51.8	6	3.7	45	37	2.4	7.1	1.14	0.9	2.8	2.82
5822	12-5822	12A/09	541784	5374398	21	BC	35	22.98	358	0.05	5.35	52.2	57	0.5	260	288	0.95	17.0	0.56	0.01	67	49.2	2	2.9	47	42	4.5	7.4	1.01	0.8	2.2	2.36
5823	12-5823	12A/09	544016	5374270	21	C	75	28.95	332	0.05	6.16	23.0	23	0.5	270	278	1.63	6.0	0.50	0.01	64	52.7	9	7.9	38	38	2.5	26.7	0.73	0.9	3.2	3.34
5824	12-5824	12A/09	545787	5374015	21	C	60	36.56	344	0.05	5.54	13.0	12	1.0	250	249	1.69	15.0	0.56	0.01	85	53.8	7	4.6	36	27	2.8	20.8	1.03	1.3	2.1	2.20
5825	12-5825	12A/09	5374710	5374170	21	BC	40	22.92	361	0.05	8.72	10.0	10	0.5	260	290	2.00	82.0	0.48	0.01	61	36.1	11	7.0	77	56	3.6	39.7	0.91	1.2	3.8	3.88
5826	12-5826	12A/09	550293	5373966	21	C	40	33.67	367	0.05	6.29	9.2	14	0.5	380	388	1.58	18.0	0.67	0.01	100	58.6	12	7.7	100	71	3.9	35.9	1.52	1.8	3.4	3.42
5828	12-5828	12A/09	552308	5373956	21	BC	70	29.07	308	0.05	8.16	14.0	14	0.5	470	506	1.88	16.0	0.62	0.01	95	59.6	12	7.0	62	44	3.4	31.7	1.58	1.2	2.8	2.79
5829	12-5829	12A/09	535952	5373977	21	C	70	29.07	308	0.05	7.65	40.0	40	0.5	410	424	2.03	15.0	0.74	0.01	130	71.1	12	7.7	100	71	3.9	35.9	1.52	1.8	3.4	3.42
5830	12-5830	12A/09	556065	5373983	21	BC	50	36.96	315	0.05	6.92	2.9	4	0.5	370	377	2.13	33.0	0.84	0.01	71	40.9	3	1.8	20	16	2.6	5.6	1.26	0.9	1.3	1.24
5831	12-5831	12A/09	558096	5374161	21	C	55	39.51	315	0.05	6.69	3.4	4	0.5	360	358	2.28	30.0	0.86	0.01	75	43.9	4	1.8	22	13	3.6	13.4	1.15	0.3	1.1	0.96
5832	12-5832	12A/09	560172	5374243	21	BC	45	24.65	316	0.05	8.14	5.5	7	0.5	260	305	2.04	80.0	0.84	0.01	58	34.7	3	1.8	25	20	2.9	6.8	1.26	1.2	3.0	2.94
5833	12-5833	12A/09	561980	5373885	21	C	65	37.97	326	0.05	7.15	10.0	9	0.5	330	339	2.10	29.0	1.14	0.01	54	41.1	5	3.2	37	23	2.6	11.2	1.15	1.0	1.4	1.43
5834	12-5834	12A/09	561480	5374166	21	BC	45	44.21	318	0.05	6.31	3.0	4	0.5	420	397	1.80	10.0	0.88	0.01	75	44.4	5	3.2	37	23	2.6	11.2	1.15	1.0	1.4	1.43
5835	12-5835	12A/09	566014	5374214	21	C	45	30.63	325	0.05	7.19	10.0	9	0.5	430	446	1.85	27.0	0.77	0.01	84	43.7	3	1.6	33	18	2.6	3.1	1.24	1.3	2.0	1.91
5836	12-5836	12A/09	568115	5374037	21	C	60	40.78	357	0.05	6.13	2.8	4	0.5	690	686	1.80	23.0	0.95	0.01	140	87.9	4	1.7	41	13	1.9	3.7	2.32	1.3	1.0	0.90
5837	12-5837	12A/09	570213	5374050	21	C	65	39.08	317	0.05	5.76	6.3	7	0.5	560	549	2.35	15.0	0.92	0.01	130	85.2	4	3.0	51	21	2.1	6.3	2.39	1.4	1.4	1.30
5838	12-5838	12A/09	572062	5374036	21	C	55	35.97	265	0.05	5.68	12.0	11	0.5	420	410	1.54	4.0	1.35	0.01	100	71.1	12	7.7	120	59	1.6	37.7	1.74	1.0	2.5	2.41
5839	12-5839	12A/09	573612	5374195	21	C	60	30.36	269	0.05	4.76	6.4	6	0.5	370	381	1.19	1.0	0.94	0.01	71	62.5	52	34.9	910	288	2.3	22.4	1.26	1.3	4.4	4.23
5841	12-5841	12A/09	573505	537																												

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5864	12-5864	12A/09	571931	5381983	21	C	65	34.95	311	0.05	6.33	5.3	7	0.5	720	713	1.55	18.0	0.62	0.01	120	89.4	4	2.7	36	16	3.5	9.1	2.64	1.1	1.5	1.49
5865	12-5865	12A/09	569999	5382297	21	C	55	24.74	337	0.05	6.53	4.1	7	0.5	460	512	1.20	112.0	0.50	0.01	150	60.7	1	0.5	24	11	1.3	2.8	2.22	1.2	2.0	2.09
5866	12-5866	12A/09	568262	5381899	21	C	45	33.53	317	0.05	6.56	3.4	4	0.5	460	462	1.59	14.0	0.69	0.01	186	39.1	2	1.1	28	9	2.0	2.6	1.50	0.9	1.6	1.51
5867	12-5867	12A/09	5382154	5382154	21	C	70	38.13	312	0.05	6.00	3.9	5	0.5	380	373	1.91	9.0	0.81	0.01	160	77.5	1	1.4	24	9	2.5	3.0	2.47	0.6	1.0	0.89
5868	12-5868	12A/09	563892	5382004	21	C	50	39.81	294	0.05	6.04	3.6	3	0.5	380	344	2.11	3.0	0.79	0.01	78	53.2	2	1.3	18	7	3.2	4.0	1.63	0.7	0.6	0.62
5869	12-5869	12A/09	562033	5382066	21	C	75	40.61	300	0.05	5.97	6.4	8	0.5	330	306	1.87	19.0	0.96	0.01	82	62.6	5	3.5	48	26	2.8	11.8	2.10	0.9	2.0	1.89
5870	12-5870	12A/09	560099	5381856	21	C	70	39.68	298	0.05	5.68	3.8	4	0.5	340	329	1.97	3.0	0.71	0.01	92	78.2	2	1.4	20	8	2.3	4.8	2.44	0.3	0.7	0.66
5871	12-5871	12A/09	5381972	5381972	21	C	65	38.03	300	0.05	5.76	2.8	4	0.5	340	352	1.68	9.0	0.58	0.01	96	65.5	1	1.1	15	9	2.1	3.4	2.23	0.8	0.8	0.74
5872	12-5872	12A/09	556190	5381978	21	C	45	31.20	275	0.05	6.06	3.1	5	0.5	280	287	1.80	36.0	0.50	0.01	86	61.2	1	1.2	17	11	2.6	3.8	2.02	0.8	1.0	0.96
5873	12-5873	12A/09	553791	5381946	21	C	55	44.34	275	0.05	5.56	4.6	4	0.5	190	184	1.88	2.0	0.50	0.01	71	47.9	1	1.8	20	11	2.7	5.7	1.68	0.6	1.0	0.89
5874	12-5874	12A/09	550221	5382051	21	C	50	39.19	265	0.05	6.34	14.0	13	0.5	290	277	1.71	6.0	0.64	0.01	100	47.7	5	4.2	46	26	3.0	12.0	1.95	1.0	2.8	2.37
5875	12-5875	12A/09	550243	5382246	21	BC	40	22.10	277	0.05	8.08	26.0	27	3	210	218	1.87	9.0	0.31	0.01	30	37.6	8	6.3	59	49	5.4	30.1	0.85	0.9	5.5	5.85
5876	12-5876	12A/09	548262	5381957	21	BC	35	23.52	243	0.05	7.49	38.0	37	0.5	250	249	1.63	25.0	0.40	0.01	87	84.6	36	23.9	40	32	5.5	45.4	2.24	2.0	7.5	7.86
5877	12-5877	12A/09	545955	5382035	21	C	60	26.57	305	0.05	5.67	22.0	20	0.5	340	220	0.83	23.0	1.06	0.01	77	40.6	9	11.4	56	49	3.0	23.1	1.56	1.2	3.6	3.62
5878	12-5878	12A/09	543705	5381960	21	BC	50	27.64	276	0.05	6.04	20.0	23	3	230	308	1.24	76.0	0.36	0.01	54	50.4	8	5.5	70	56	2.9	12.8	1.10	1.1	4.6	3.38
5879	12-5879	12A/09	537990	5383554	21	C	55	25.90	303	0.13	5.17	24.0	23	5	250	230	1.01	26.0	0.33	0.01	54	58.2	8	8.6	41	40	2.2	24.8	1.08	1.4	3.7	3.42
5880	12-5880	12A/09	540090	5385814	21	C	55	27.06	360	0.05	5.62	20.0	20	6	310	322	1.05	31.0	0.40	0.01	59	50.8	16	5.7	43	33	2.3	18.6	1.08	1.3	3.7	2.94
5881	12-5881	12A/09	542327	5385550	21	C	45	32.62	298	0.05	6.49	20.0	23	5	320	326	1.17	1.0	0.48	0.01	52	53.1	7	12.1	40	34	2.3	27.2	1.63	0.7	2.5	3.72
5882	12-5882	12A/09	550243	5385833	21	C	55	28.40	272	0.05	6.60	22.0	27	2	220	283	1.28	21.0	0.59	0.01	63	56.3	11	6.7	64	35	2.3	40.8	2.27	0.9	3.3	4.11
5883	12-5883	12A/09	544486	5385833	21	BC	45	28.04	267	0.05	6.62	23.0	25	0.5	300	240	1.30	9.0	0.35	0.01	59	56.6	7	6.5	86	59	4.6	24.1	1.21	0.9	3.5	4.85
5884	12-5884	12A/09	547812	5386488	21	C	55	39.49	283	0.05	5.66	22.0	22	0.5	220	338	1.29	13.0	0.53	0.01	56	66.5	16	6.0	92	40	1.1	19.2	1.64	1.1	3.9	3.55
5885	12-5885	12A/09	555704	5386056	21	C	50	34.46	280	0.05	6.17	7.2	82	1	40	478	1.26	4.0	1.81	0.01	55	44.3	4	10.3	42	84	4.8	18.8	1.31	0.3	1.8	2.81
5886	12-5886	12A/09	558163	5386061	21	C	50	34.87	267	0.05	6.01	8.9	11	4	290	291	1.15	19.0	0.78	0.01	60	50.0	11	6.6	87	45	2.4	28.9	1.34	0.1	3.2	2.94
5887	12-5887	12A/09	560060	5386032	21	C	55	34.55	270	0.05	5.74	3.2	4	0.5	250	261	1.99	4.0	0.58	0.01	81	61.0	3	1.5	22	10	2.1	5.2	1.89	0.3	0.9	0.80
5888	12-5888	12A/09	561881	5386155	21	C	45	41.67	310	0.05	5.77	3.7	4	0.5	310	282	2.01	2.0	0.62	0.01	100	76.6	3	1.6	21	11	2.6	5.9	2.48	0.8	0.9	0.84
5889	12-5889	12A/09	5386028	5386028	21	C	55	39.49	304	0.05	6.28	4.6	6	0.5	350	320	2.00	4.0	0.62	0.01	89	79.7	2	1.7	24	12	2.8	6.2	2.37	0.3	0.9	0.87
5890	12-5890	12A/09	565992	5385888	21	C	50	42.74	297	0.05	5.97	4.3	6	0.5	350	323	2.11	4.0	0.60	0.01	120	93.0	2	1.6	24	10	3.0	5.7	2.92	0.8	1.0	0.89
5891	12-5891	12A/09	565992	5385936	21	C	45	34.96	280	0.05	6.37	2.8	4	0.5	360	349	1.83	4.0	0.60	0.01	77	57.0	1	1.1	18	8	2.2	3.4	1.76	0.3	0.7	0.70
5892	12-5892	12A/09	568041	5386032	21	C	55	34.55	270	0.05	5.74	3.2	4	0.5	250	261	1.99	4.0	0.58	0.01	81	61.0	3	1.5	22	10	2.1	5.2	1.89	0.3	0.9	0.80
5893	12-5893	12A/09	568901	5387499	21	C	40	35.46	303	0.05	6.84	5.2	5	0.5	310	297	1.89	2.0	0.56	0.01	64	38.8	3	1.7	23	13	3.0	4.4	1.28	0.6	1.1	1.02
5894	12-5894	12A/09	570204	5386026	21	C	45	33.98	330	0.05	5.84	1.8	3	0.5	560	554	1.45	5.0	0.51	0.01	120	76.5	1	1.0	21	7	2.2	3.2	2.39	1.1	0.7	0.75
5895	12-5895	02D/12	573760	5386082	21	C	35	28.33	345	0.05	6.76	6.7	10	0.5	490	520	1.90	38.0	0.51	0.01	120	88.1	4	3.3	29	18	3.2	9.0	3.42	0.9	1.7	1.75
5896	12-5896	12A/09	569650	5397137	21	BC	35	32.82	212	0.05	7.75	14.0	26	0.5	250	365	1.04	12.0	1.15	0.01	52	26.7	8	8.3	55	15	2.7	29.6	0.80	0.6	2.4	6.19
5897	12-5897	12A/09	537634	5390016	21	C	55	22.87	228	0.05	6.35	26.0	55	0.5	330	298	1.59	21.0	0.72	0.01	14	75.2	10	17.3	19	58	2.5	27.9	2.65	0.5	5.5	3.19
5898	12-5898	12A/09	573634	5392199	21	C	55	35.63	236	0.05	5.99	6.7	8	0.5	410	400	1.48	4.0	0.63	0.01	130	70.2	3	2.5	50	22	2.5	7.5	2.17	0.7	1.6	1.46
5899	12-5899	12A/09	573634	5392199	21	C	55	32.85	260	0.05	5.29	5.9	6	0.5	370	361	1.43	2.0	0.63	0.01	96	65.9	3	2.5	28	16	1.5	6.7	2.17	0.3	1.2	1.14
5900	12-5900	12A/09	573269	5393981	21	BC	45	39.14	260	0.05	6.40	29.0	14	2	260	254	1.52	7.0	0.81	0.01	53	46.7	15	6.0	74	41	1.8	26.6	1.42	0.7	2.9	2.67
5901	12-5901	12A/09	569650	5397137	21	BC	35	32.82	212	0.05	7.75	14.0	26	0.5	250	365	1.04	12.0	1.15	0.01	52	26.7	8	8.3	55	15	2.7	29.6	0.80	0.6	2.4	6.19
5902	12-5902	12A/09	567971	5395775	21	C	55	22.87	228	0.05	6.35	26.0	55	0.5	330	298	1.59	21.0	0.72	0.01	14	75.2	10	17.3	19	58	2.5	27.9	2.65	0.5	5.5	3.19
5903	12-5903	12A/09	566149	5396037	21	C	65	34.21	253	0.05	5.50	60.5	26	5	300	252	1.15	6.0	1.16	0.01	90	55.2	22	12.3	92	51	2.9	34.4	1.80	1.8	3.3	3.38
5904	12-5904	12A/09	564316	5396097	21	C	60	34.14	245	0.05	6.03	19.0	19	5	250	264	1.01	10.0	1.14	0.01	57	51.5	13	10.2	80	19	34.5	1.86	1.1	3.2	3.16	
5905	12-5905	12A/16	567797	5402437	21	C	40	25.89	237	0.05	6.76	30.0	32	3	380	388	1.00	14.0	0.62	0.01	96	72.3	19	16.0	43	29	1.3	48.8	1.42	1.0	4.4	4.31
5906	12-5906	12A/16	569809	5402712	21	BC	35	21.23																								

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Sample Number	Yr-Sample Number	NTS_Map	UTMEast NAD 27	UTMNorth NAD 27	UTMZone	Horizon	Depth cm	Weight g	Elevation m	Ag6 ppm	Al2 pct	As1 ppm	As2 ppm	Au1 ppb	Ba1 ppm	Ba2 ppm	Be2 ppm	Br1 ppm	Ca2 pct	Cd2 ppm	Ce1 ppm	Ce2 ppm	Co1 ppm	Co2 ppm	Cr1 ppm	Cr2 ppm	Cs1 ppm	Cu2 ppm	Dy2 ppm	Eu1 ppm	Fe1 pct	Fe2 pct
5931	12-5931	12A/07	532015	5371076	21	C	40	28.43	363	0.05	5.95	4.2	4	0.5	280	287	1.80	10.0	0.13	0.01	42	29.1	1	1.2	17	9	1.5	3.0	1.91	0.3	1.9	1.89
5933	12-5933	12A/07	530630	5367340	21	C	35	29.27	402	0.05	5.67	7.6	8	0.5	240	246	1.29	8.0	0.48	0.01	67	52.7	5	3.8	49	31	1.5	11.6	1.54	1.3	2.1	2.15
5934	12-5934	12A/07	532557	5366744	21	C	35	36.17	355	0.05	6.27	28.0	26	0.5	310	309	1.50	7.0	0.55	0.01	70	58.9	11	7.6	49	36	3.2	33.4	1.87	1.3	4.2	4.12
5935	12-5935	12A/07	534976	5367041	21	C	25	26.60	342	0.05	5.71	6.9	9	0.5	280	303	1.30	28.0	0.58	0.01	120	54.3	3	1.8	32	21	4.0	2.5	1.87	1.2	2.2	2.29
5936	12-5936	12A/07	536828	5367103	21	C	45	29.18	280	0.05	6.57	23.0	25	3	300	274	1.28	52.0	0.62	0.01	63	41.5	7	4.7	39	32	3.1	16.9	1.81	1.3	4.1	3.97
5937	12-5937	12A/08	537097	5363085	21	C	50	26.25	304	0.05	7.49	19.0	20	0.5	330	346	1.97	19.0	0.59	0.01	100	53.2	11	9.2	53	33	5.1	24.9	1.62	0.8	3.9	4.01
5938	12-5938	12A/07	534908	5362970	21	C	40	23.49	331	0.05	7.63	15.0	18	0.5	420	403	1.87	35.0	0.58	0.01	100	56.5	13	9.6	47	37	5.4	25.0	2.27	0.9	4.5	4.78
5939	12-5939	12A/07	532904	5363166	21	C	40	25.88	375	0.05	7.93	5.0	9	0.5	480	493	2.66	47.0	0.67	0.01	160	97.9	10	8.3	55	32	6.9	23.8	3.35	1.9	4.1	4.27
5940	12-5940	12A/07	531023	5362980	21	C	50	30.14	386	0.05	7.40	3.0	4	0.5	340	364	2.35	16.0	0.97	0.01	73	54.1	5	4.7	37	25	3.4	12.4	1.81	1.1	2.1	2.16
5941	12-5941	12A/07	534575	5360801	21	C	25	27.50	360	0.05	7.89	8.3	12	0.5	390	403	2.25	50.0	0.78	0.01	180	93.5	8	6.3	46	31	6.3	8.9	3.03	1.2	4.6	4.76
5942	12-5942	12A/08	537032	5360698	21	C	45	23.60	300	0.05	8.84	0.25	7	0.5	220	245	1.76	78.0	0.77	0.01	73	54.8	6	3.7	49	37	2.3	8.8	2.84	1.0	4.3	4.47
5943	12-5943	12A/07	531942	5357140	21	C	35	41.01	359	0.05	7.34	3.2	5	0.5	460	438	2.30	15.0	1.70	0.01	130	104.2	11	7.9	55	34	3.2	11.7	3.37	2.0	4.0	3.81
5944	12-5944	12A/07	535116	5357163	21	C	75	25.89	283	0.05	7.77	0.25	1	0.5	260	275	2.17	44.0	1.40	0.01	73	65.5	17	13.9	110	85	4.0	29.4	2.53	1.5	4.5	4.80

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
07-8000	11.085	12.6	13.5	10.5	2.7	0.33	0.86	708	0.5	0.5	1.51	1.66	7.1	19.9	386	15	2.5	31	1.5	12.6	15.4	4.0	2.4	124	0.1	0.25	4.2	3417	2.2	1050	0.5	15.2	2.3	53	50	55	
07-8001	10.93	12.6	11.6	18.3	4.3	0.37	1.10	622	0.5	0.5	1.32	1.36	8.0	23.0	307	15	2.5	40	2.3	16.0	18.0	0.5	2.4	105	0.1	0.25	5.0	4022	2.0	113.3	0.5	11.7	2.7	64	50	49	
07-8002	8.094	19.3	16.8	17.1	2.8	0.30	1.38	1017	7	0.5	1.76	180	7.7	45.0	453	18	37	36	1.3	21.0	24.0	0.5	3.4	105	0.1	0.25	5.1	3902	2.0	134.4	0.5	13.3	2.7	68	50	47	
07-8003	10.153	14.3	14.5	12.1	2.9	0.33	0.93	936	8	0.5	1.65	1.78	8.1	22.0	115	11	25	36	0.9	14.3	17.6	0.5	2.4	126	0.1	0.25	5.2	3684	1.5	115.5	0.5	15.2	2.9	51	50	66	
07-8004	9.092	18.5	16.5	14.7	2.8	0.43	1.27	1876	0.5	0.5	1.71	1.74	7.6	32.2	470	14	32	33	1.9	20.2	23.9	0.5	3.2	128	0.1	1.2	4.6	3911	1.8	139.7	0.5	18.8	3.2	66	400	50	
07-8005	8.093	16.0	15.0	12.8	2.5	0.42	1.07	1058	0.5	0.5	1.59	1.66	6.7	27.4	431	18	2.5	30	1.8	18.5	23.0	0.5	2.8	124	0.1	0.25	4.6	3436	1.7	139.3	0.5	16.1	3.0	67	50	51	
07-8006	7.993	16.8	14.5	11.3	2.5	0.39	0.87	777	0.5	0.5	1.58	1.70	6.1	20.8	406	17	2.5	28	2.1	19.3	23.0	0.5	3.3	112	0.1	0.25	4.4	2669	1.8	120.8	0.5	15.8	3.3	75	50	45	
07-8007	7.105	20.2	16.9	15.0	4.2	0.48	0.98	1145	10	0.5	1.39	1.53	6.6	39.2	522	39	43	3.5	21.0	26.5	0.5	3.8	110	0.1	0.25	5.8	2413	0.3	129.5	0.5	15.4	3.4	102	50	54		
07-8008	8.074	14.3	11.0	13.6	7.9	0.31	0.78	481	0.5	0.5	1.45	1.51	6.7	24.2	220	13	25	29	1.4	15.1	18.4	0.5	2.5	104	0.1	0.25	4.8	3399	0.3	121.1	0.5	12.0	2.7	74	50	48	
07-8009	8.089	16.0	14.2	12.2	2.2	0.35	0.98	661	0.5	0.5	1.77	1.85	6.0	20.7	219	12	2.5	29	1.3	16.8	19.3	0.5	2.5	125	0.1	0.25	4.2	3292	2.2	119.2	0.5	14.1	3.0	53	50	48	
07-8010	8.085	15.8	14.3	12.5	4.5	0.37	0.98	777	5	0.5	1.72	1.74	7.1	29.2	564	11	2.5	28	1.2	18.5	21.1	0.5	2.6	125	0.1	0.25	5.7	4127	2.4	136.0	0.5	16.4	3.3	64	50	71	
07-8012	11.125	15.0	15.3	11.1	1.9	0.44	0.97	810	5	0.5	1.77	1.91	7.7	20.9	377	13	46	4.3	12.4	17.0	0.5	2.7	130	0.1	0.25	5.8	3656	1.6	113.5	0.5	17.4	2.8	55	50	57		
07-8013	8.085	15.0	13.5	14.3	3.6	0.35	1.31	900	0.5	0.5	1.72	1.80	7.0	31.2	369	12	2.5	28	1.7	19.4	23.4	0.5	2.5	120	0.1	0.25	5.0	4067	2.1	148.0	0.5	13.7	2.9	64	50	48	
07-8014	8.091	17.6	14.4	12.4	1.9	0.41	1.20	889	0.5	0.5	1.86	1.91	5.9	31.1	488	18	2.5	26	1.7	19.4	23.2	0.5	3.0	138	0.1	1.0	4.8	3481	3.1	136.4	0.5	18.1	3.3	92	400	49	
07-8015	11.087	22.0	18.6	11.9	3.0	0.48	0.90	1448	0.5	0.5	1.94	1.86	6.6	22.7	282	12	2.5	31	1.4	18.5	20.8	0.5	3.2	122	0.1	1.0	5.8	3580	2.8	127.2	0.5	20.4	4.0	58	50	60	
07-8016	10.097	16.7	16.7	12.2	2.6	0.52	0.93	773	4	0.5	1.58	1.66	6.2	25.4	450	18	40	30	1.8	16.7	20.3	0.5	3.3	116	0.1	0.8	4.8	3141	1.9	116.8	0.5	15.6	3.9	73	50	52	
07-8017	10.088	19.4	18.6	11.1	2.8	0.48	0.87	923	10	0.5	1.75	1.87	5.9	21.1	321	13	2.5	30	1.4	16.7	20.6	0.5	3.0	120	0.1	0.25	5.8	3338	1.5	128.2	0.5	20.2	3.6	59	50	58	
07-8018	11.106	16.7	14.3	12.1	2.4	0.43	0.92	911	0.5	0.5	1.82	1.86	6.8	22.8	393	14	2.5	36	1.3	15.8	18.1	0.5	2.6	121	0.1	0.25	6.0	3429	0.3	109.6	0.5	16.0	3.3	55	50	52	
07-8019	7.105	20.2	16.9	9.4	1.9	0.41	0.76	751	7	0.5	2.05	2.12	6.2	17.7	304	13	2.5	29	1.1	15.8	17.8	0.5	4.1	120	0.1	0.6	6.4	3684	1.2	109.6	0.5	17.4	3.5	47	50	63	
07-8020	11.092	23.5	21.1	17.7	4.5	0.54	0.87	1929	22	0.5	1.55	1.62	7.2	25.2	551	16	30	39	1.4	17.6	21.0	0.5	4.0	116	0.1	0.8	7.1	3378	15.4	107.5	0.5	25.2	3.8	67	300	59	
07-8021	9.092	16.8	16.2	11.8	2.5	0.44	0.84	759	0.5	0.5	1.60	1.67	6.4	21.6	370	15	2.5	31	1.6	15.1	18.4	0.5	2.5	108	0.1	0.9	4.6	3109	1.5	106.4	0.5	16.5	3.2	61	50	53	
07-8022	8.076	12.6	11.5	12.5	4.6	0.36	0.70	817	0.5	0.5	1.55	1.63	6.6	23.1	445	14	2.5	28	1.3	13.4	16.4	0.5	2.4	105	0.1	0.5	5.1	3138	1.8	95.2	0.5	13.9	2.6	86	50	46	
07-8023	9.076	10.9	11.3	7.7	3.1	0.34	0.62	681	0.5	0.5	1.52	1.67	5.6	14.1	416	14	2.5	21	1.1	11.8	15.1	0.5	2.0	114	0.1	0.5	3.1	3046	1.3	89.1	2	14.8	3.0	51	50	46	
07-8024	10.080	13.4	13.0	8.6	2.3	0.34	0.69	633	3	0.5	1.69	1.77	6.5	17.8	362	13	2.5	25	1.2	13.4	16.0	0.5	2.4	111	0.1	0.6	4.7	3410	1.8	97.5	0.5	14.1	2.9	54	50	53	
07-8025	8.082	14.3	17.1	9.3	2.3	0.47	0.79	772	8	0.5	1.70	1.77	6.5	18.8	419	16	36	36	1.6	16.8	20.6	0.5	3.5	107	0.1	0.6	3.8	3384	0.3	111.1	0.5	16.9	3.6	72	50	49	
07-8026	11.077	19.3	17.9	11.8	3.0	0.58	0.94	1134	13	0.5	1.57	1.69	7.9	25.6	624	17	36	36	1.6	16.8	20.6	0.5	2.7	110	0.1	0.9	6.0	3577	2.8	126.9	0.5	19.5	3.9	91	50	63	
07-8027	10.091	16.0	15.0	8.5	2.3	0.43	0.80	762	0.5	0.5	1.77	1.96	7.1	18.1	436	25	2.5	28	1.1	13.4	16.6	0.5	2.9	118	0.1	0.9	4.8	3522	1.8	105.0	0.5	15.6	3.5	89	50	61	
07-8028	9.080	17.6	15.1	10.4	4.2	0.52	0.81	911	5	0.5	1.64	1.71	7.6	22.4	389	28	2.5	28	1.3	15.1	17.2	0.5	3.7	100	0.1	0.8	5.7	3455	1.7	109.8	0.5	15.1	3.6	104	50	56	
07-8029	8.086	13.4	12.8	10.0	2.8	0.50	0.87	879	0.5	0.5	1.71	1.86	6.4	19.8	335	20	2.5	25	1.2	15.1	18.0	0.5	2.5	97	0.1	0.25	4.7	3148	1.5	105.2	0.5	13.1	3.7	80	300	52	
07-8030	15.098	25.8	21.1	13.8	2.9	0.58	0.98	1088	11	0.5	1.76	1.75	9.3	26.4	472	23	25	36	1.5	18.9	20.5	0.5	4.9	114	0.1	1.0	7.2	4384	2.5	130.3	0.5	20.9	4.3	107	50	76	
07-8031	11.110	24.9	21.4	15.2	3.0	0.58	1.14	1349	0.5	0.5	1.82	1.79	8.5	24.8	429	18	58	40	1.5	19.8	21.1	0.5	3.8	105	0.1	0.25	7.2	3886	2.6	108.3	0.5	17.9	4.3	132	50	66	
07-8032	9.074	19.8	18.6	8.0	2.4	0.51	0.88	1068	5	0.5	2.02	2.12	6.8	19.6	516	30	2.5	24	1.3	15.5	18.4	0.5	3.4	115	0.1	0.8	6.3	3236	2.6	108.3	0.5	17.9	4.3	132	50	55	
07-8033	9.097	17.2	14.2	11.7	3.6	0.40	0.86	892	0.5	0.5	1.54	1.59	8.4	22.0	165	11	34	39	1.7	16.3	18.6	0.5	1.8	98	0.1	0.8	5.8	3860	2.9	123.3	0.5	14.1	2.8	60	50	63	
07-8034	14.087	24.1	21.2	11.0	2.5	0.50	0.69	783	0.5	0.5	1.71	1.74	8.2	16.1	211	13	30	35	1.4	13.8	15.9	0.5	3.4	111	0.1	0.9	6.3	3747	2.5	103.9	0.5	20.5	3.4	50	50	74	
07-8035	12.105	25.8	22.0	14.8	3.3	0.54	0.99	1370	0.5	0.5	1.80	1.77	7.9	24.3	315	15	38	51	1.3	18.1	19.4	0.5	4.0	104	0.1	0.9	7.5	3739	3.0	127.3	0.5	20.5	4.1	68	300	67	
07-8036	11.103	21.5	20.2	12.1	2.6	0.46	0.80	805	0.5	0.5	1.69	1.72	8.3	19.3	352	13	29	39	1.4	15.5	17.4	0.5	3.6	126	0.1	0.25	6.2	3772	3.6	114.7	0.5	19.5	3.4	60	300	65	
07-8037	11.100	20.6	18.8	13.2	2.4	0.45	0.91	920	0.5	0.5	1.76	1.72	7.8	20.4	345	15	31	40	1.6	15.5	17.5	0.5	3.2	126	0.1	0.25	6.1	3772	3.6	114.7	0.5	19.5	3.4	60	300	65	
07-8038	10.789	18.9	16.5	13.1	2.6	0.45	1.03	892	0.5	0.5	1.89	1.89	7.2	22.9	140	11	2.5	31	1.1	18.1	19.4</																

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
07-8067	5.068	11.3	10.5	16.3	6.2	0.27	2.72	846	0.5	0.5	1.51	1.70	5.3	82.1	314	5	27	27	0.8	20.3	24.6	0.5	2.8	120	1.2	1.2	0.25	4.5	3219	2.3	134.2	0.5	12.9	2.3	60	50	35
07-8068	8.079	12.8	13.1	10.2	2.5	0.34	1.32	1007	0.5	0.5	1.64	1.87	6.3	31.4	366	12	31	28	0.8	15.8	20.0	0.5	1.7	150	1.1	0.25	4.5	3992	1.9	123.4	0.5	16.9	2.8	53	50	45	
07-8069	8.077	13.5	13.8	8.7	4.6	0.32	2.02	783	0.5	0.5	1.57	1.80	7.2	44.3	637	7	2.5	26	0.4	19.5	24.5	0.5	3.1	180	0.1	0.25	4.6	4358	0.3	151.2	0.5	17.9	2.5	47	50	46	
07-8070	3.088	12.6	12.5	13.7	2.7	0.46	1.28	1125	0.5	0.5	1.81	1.93	6.8	35.3	384	15	2.5	35	1.0	16.0	21.0	0.5	2.2	132	0.1	0.25	4.8	3821	1.8	122.5	0.5	18.2	2.7	96	50	43	
07-8071	3.049	13.4	12.1	6.2	2.4	0.51	0.90	956	0.5	0.5	2.29	2.38	6.9	26.1	780	29	2.5	1.5	1.6	17.6	20.2	0.5	2.6	131	1.4	0.25	4.5	3491	2.2	117.8	5	14.8	3.4	81	500	43	
07-8072	2.064	16.0	16.5	9.2	2.3	0.61	1.42	1313	0.5	0.5	2.35	2.58	7.0	36.5	755	16	2.5	20	1.4	20.8	25.7	2.0	3.2	135	0.1	0.25	5.2	4348	2.2	149.3	18	19.1	3.5	116	50	47	
07-8073	3.036	13.3	12.0	11.1	10.0	0.61	0.93	742	0.5	0.5	2.35	2.36	9.1	29.0	313	2.5	13	5.9	22.4	25.9	0.5	2.7	136	0.1	0.25	3.2	6556	0.3	228.9	0.5	18.3	3.2	101	50	38		
07-8074	3.065	19.2	19.0	7.6	3.0	0.68	1.07	975	0.5	0.5	2.62	282	7.6	20.7	657	13	2.5	1.1	19.2	22.5	0.5	3.4	159	0.1	0.25	6.0	4736	2.6	141.6	0.5	20.2	3.4	59	500	53		
07-8075	3.073	18.7	18.1	9.9	3.8	0.68	1.15	998	0.5	0.5	2.58	252	7.7	27.2	591	27	2.5	27	1.5	22.1	25.0	0.5	3.6	141	0.1	0.25	7.6	4698	2.2	146.7	0.5	21.1	3.9	85	50	56	
07-8076	3.070	16.0	16.5	8.4	3.2	0.54	1.11	1129	0.5	0.5	2.35	251	7.1	25.8	544	20	2.5	24	1.4	19.2	23.5	0.5	3.0	139	0.1	0.25	5.0	4403	3.3	144.3	0.5	18.6	3.5	85	600	51	
07-8077	3.041	25.6	25.0	6.3	2.3	0.70	1.06	1138	0.5	0.5	2.75	282	7.7	28.7	761	23	5.3	15	1.3	20.8	24.9	0.5	4.8	155	0.1	1.0	6.5	5176	0.3	150.4	0.5	26.8	4.6	82	50	57	
07-8078	2.066	17.6	16.9	6.5	3.0	0.62	1.04	1221	0.5	0.5	2.43	258	7.3	30.0	802	24	5.6	1.5	2.1	20.8	25.3	0.5	3.5	146	0.1	0.25	4.5	4495	1.5	142.2	0.5	22.2	3.7	100	50	46	
07-8079	3.054	17.6	16.4	6.0	1.9	0.62	0.93	991	0.5	0.5	2.48	262	5.9	18.2	580	14	2.5	13	1.8	19.2	23.7	0.5	3.4	131	0.1	0.25	4.8	3243	0.3	122.3	0.5	19.6	3.5	76	50	46	
07-8080	3.041	16.3	13.9	4.5	4.4	0.58	0.57	855	0.5	0.5	2.58	252	6.1	15.5	527	24	2.5	10	1.2	14.6	16.7	0.5	2.9	131	0.1	0.25	5.7	3254	0.3	94.1	0.5	15.7	3.7	75	50	44	
07-8081	3.048	18.7	15.9	6.3	1.9	0.60	0.73	1155	0.5	0.5	2.50	260	6.5	26.1	684	21	2.5	11	1.5	18.7	21.6	0.5	3.2	143	0.1	0.25	5.5	3717	2.4	117.1	0.5	18.0	3.7	67	50	50	
07-8082	3.044	20.4	19.9	4.6	1.9	0.63	0.66	959	0.5	1.2	2.40	256	7.3	21.3	768	30	2.5	13	1.9	18.7	22.0	0.5	4.3	142	0.1	0.25	5.7	3899	1.8	115.7	0.5	23.7	4.6	78	50	51	
07-8083	3.056	16.0	14.6	6.6	3.2	0.58	0.87	1009	0.5	0.5	2.45	248	7.1	23.3	594	19	2.5	16	1.2	15.3	18.1	0.5	3.1	123	0.1	0.25	4.6	3568	0.3	105.4	0.5	16.7	3.4	70	50	45	
07-8084	3.044	14.4	13.5	5.9	2.4	0.53	0.79	707	0.5	0.5	2.57	260	5.6	20.6	488	11	2.5	14	1.1	16.1	18.4	0.5	2.9	128	0.1	0.25	4.6	3569	0.3	101.9	0.5	15.1	3.6	55	50	44	
07-8085	3.076	22.1	21.8	8.9	2.6	0.75	1.11	1587	0.5	0.5	2.43	249	7.1	31.3	796	26	2.5	24	1.7	20.4	24.7	0.5	4.3	130	0.1	0.25	6.5	4273	2.9	144.5	0.5	25.4	4.6	86	50	52	
07-8086	3.060	22.1	21.5	6.8	2.3	0.68	0.97	1210	0.5	0.5	2.72	296	7.5	21.7	804	23	2.5	20	1.2	18.7	22.5	0.5	4.3	145	0.1	0.25	7.6	4915	2.9	139.1	0.5	22.2	4.3	99	50	66	
07-8087	3.045	22.1	20.1	4.7	2.0	0.60	0.68	1205	0.5	0.5	2.74	287	6.9	20.5	913	29	5.3	13	1.4	18.7	21.1	0.5	4.3	148	1.0	0.25	6.1	4866	0.3	126.2	0.5	20.0	4.3	105	50	54	
07-8088	3.044	25.5	24.9	5.4	2.3	0.66	0.97	1407	0.5	0.5	2.84	304	7.0	20.8	888	26	2.5	22	0.9	18.7	20.7	0.5	4.4	145	0.1	1.0	7.8	4607	2.1	126.9	0.5	22.5	4.3	92	500	71	
07-8089	5.065	23.8	22.5	5.3	2.2	0.85	0.85	1421	0.5	0.5	2.84	295	7.0	20.2	822	32	2.5	19	1.5	17.0	20.5	0.5	5.1	135	0.1	0.25	7.2	4074	2.9	116.3	0.5	22.1	5.4	126	500	73	
07-8090	3.053	28.2	27.6	5.5	2.9	0.61	1.10	1452	0.5	0.5	2.72	296	8.6	28.1	1039	69	2.5	18	1.2	19.9	23.6	0.5	4.5	152	0.1	0.25	6.2	4951	2.2	149.5	0.5	24.8	4.3	143	700	56	
07-8091	3.061	21.6	21.5	5.8	4.0	0.55	0.98	849	0.5	0.5	2.84	313	7.1	15.7	357	26	2.5	19	0.5	16.6	20.6	0.5	3.3	141	0.1	0.25	6.7	4548	3.3	122.5	0.5	19.1	3.3	83	50	61	
07-8092	3.064	19.9	19.9	5.3	3.2	0.66	0.94	997	0.5	0.5	2.51	272	6.1	16.0	652	20	2.5	19	0.8	16.1	19.8	0.5	3.7	133	0.1	0.25	5.5	3695	2.4	109.0	0.5	20.4	3.8	120	500	56	
07-8093	5.063	18.3	15.8	5.8	3.1	0.63	0.72	513	3	3.1	2.44	261	6.2	14.7	606	18	2.5	16	1.0	14.4	16.8	0.5	3.3	133	0.1	0.25	5.7	3183	3.3	93.4	0.5	14.6	4.0	78	700	60	
07-8094	5.066	18.3	17.3	6.5	3.2	0.65	0.88	925	0.5	0.5	2.31	235	7.1	16.6	437	18	2.5	21	0.8	16.3	19.2	0.5	3.3	118	0.1	0.8	6.2	3577	2.4	110.5	0.5	14.1	4.3	85	50	62	
07-8095	3.073	14.3	6.6	2.9	4.4	1.38	1.08	502	0.5	1.9	2.92	334	3.9	8.0	283	17	2.5	14	2.3	19.9	24.2	0.5	4.3	85	0.1	1.0	3.2	467	2.9	0.5	0.5	7.6	8.1	168	500	56	
07-8097	3.056	16.6	16.5	6.4	3.6	0.56	0.92	1265	0.5	1.2	2.54	269	7.3	19.7	801	32	2.5	15	0.8	18.3	20.5	0.5	3.0	127	0.1	0.25	8.4	3496	2.4	114.0	0.5	15.0	3.8	103	50	52	
07-8098	3.089	16.5	17.0	11.0	2.1	0.56	0.90	629	0.5	0.5	2.44	253	4.7	13.2	421	14	2.5	15	0.7	13.6	16.2	0.5	2.8	118	0.1	0.25	4.2	2969	3.1	83.7	0.5	13.9	3.7	87	50	48	
07-8099	3.080	16.0	13.1	10.6	3.0	0.64	0.89	760	0.5	0.5	1.80	172	5.8	17.5	200	20	2.5	26	1.5	18.1	20.9	0.5	3.1	122	0.1	0.25	5.3	3560	2.5	117.4	0.5	17.5	3.8	96	300	55	
07-8100	3.075	13.9	11.1	10.6	3.3	0.53	0.71	299	0.5	0.5	1.75	172	4.8	11.1	126	11	2.5	24	1.0	15.2	17.4	0.5	2.5	111	0.1	0.25	4.2	2898	0.3	98.1	0.5	9.7	3.1	44	50	45	
07-8102	3.087	14.7	13.9	7.9	2.2	0.58	0.99	1028	0.5	0.5	2.14	224	4.9	16.1	470	25	2.5	20	1.2	16.3	19.7	0.5	3.0	98	0.1	0.25	4.4	2572	1.5	104.0	0.5	14.3	3.8	130	500	53	
07-8103	3.086	18.1	16.6	9.1	2.8	0.61	0.98	1953	0.5	0.5	2.18	223	6.0	19.3	438	26	2.5	28	1.2	18.1	21.5	0.5	3.5	93	0.1	0.25	5.9	2826	1.9	111.5	0.5	15.9	3.8	119	50	51	
07-8104	3.080	16.0	13.9	9.0	2.6	0.56	0.93	639	0.5	0.5	2.16	219	5.6	15.6	482	18	2.5	27	1.2	16.2	18.3	0.5	3.0	102	0.1	0.25	5.1	3061	2.1	106.7	0.5	12.6	3.5	77	50	48	
07-8105	3.088	12.5	10.6	9.4	4.8	0.48	0.89	784	0.5	0.5	1.93	198	5.6	16.9	245	29	2.5	22	1.0	16.5	19.1	0.5	2.5	86	0.1	0.25	4.8	2622	0.3	108.2	0.5	8.6	3.1	118	50	44	
07-8106	3.082	16.5	13.5	10.2	11.0	0.58	0.96	2346	0.5	0.5	2.00	201	5.8	20.8	675	17	2.5	31	0.8	16.5	19.6	0.5	3.3	80	0.1	0.25	5.5										

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
07-8133	3 1.14	19.1	16.1	9.9	2.8	0.52	1.30	858	0.5	0.5	2.10	2.15	5.7	20.0	254	31	2.5	36	1.2	20.8	23.5	0.5	4.0	93	0.8	0.8	6.2	2831	1.9	132.4	0.5	14.2	3.2	118	50	55	
07-8134	4 1.13	29.0	24.4	7.6	2.3	0.55	1.06	1357	0.5	0.5	1.99	2.01	5.9	32.9	898	40	2.5	44	0.9	18.3	21.0	0.5	5.1	86	0.1	0.8	9.6	2968	2.8	121.9	0.5	15.4	3.4	104	200	75	
07-8135	3 0.71	25.7	22.0	7.0	2.1	0.50	1.13	1213	0.5	0.5	1.92	2.08	5.2	26.6	973	26	3.6	37	0.7	16.6	20.2	0.5	4.6	86	0.1	0.7	7.9	3159	2.9	121.9	0.5	15.2	3.1	88	50	65	
07-8136	3 0.79	14.9	12.8	11.4	8.8	0.43	0.93	700	0.5	0.5	1.64	1.71	6.5	27.5	469	21	3.5	30	1.0	15.8	18.9	0.5	3.0	93	0.1	0.7	6.3	3418	2.3	122.5	0.5	10.8	2.4	109	50	54	
07-8137	3 0.80	19.1	14.5	9.2	7.9	0.43	0.78	410	0.5	0.5	1.93	1.95	7.0	13.5	403	17	4.8	39	0.5	15.8	17.3	0.5	3.9	83	0.1	0.25	12.1	3493	2.3	109.1	0.5	10.7	2.8	56	50	73	
07-8138	3 0.89	19.1	17.5	7.9	3.9	0.42	1.28	1127	0.5	0.5	1.96	2.08	5.8	23.6	676	27	2.5	35	0.9	19.1	22.6	0.5	3.7	85	1.3	0.25	7.6	3350	0.3	134.2	0.5	11.3	2.7	91	50	55	
07-8139	3 0.89	25.0	22.6	6.9	6.0	0.46	1.04	888	0.5	0.5	2.13	2.19	6.7	18.8	820	27	2.5	35	0.8	17.2	19.6	0.5	4.6	90	1.0	0.7	10.4	4412	3.0	124.7	0.5	14.2	2.9	82	50	58	
07-8140	3 0.84	19.5	18.1	9.1	3.9	0.44	1.14	551	4	0.5	2.05	2.12	6.2	19.5	634	16	2.5	31	0.6	16.4	19.9	0.5	3.7	104	1.2	0.5	8.1	4053	2.3	119.4	2	14.5	3.0	89	50	55	
07-8141	5 0.94	16.4	15.5	14.8	3.2	0.47	1.03	882	0.5	0.5	1.77	1.74	6.5	22.3	227	11	2.5	30	1.1	18.7	21.2	0.5	3.5	119	1.2	0.5	5.8	3844	1.8	125.2	0.5	16.0	3.1	69	50	55	
07-8142	4 0.87	15.6	15.1	11.8	2.0	0.43	1.06	935	3	0.5	1.78	1.89	6.2	23.9	477	17	2.5	27	1.2	17.9	22.3	0.5	3.6	137	0.1	0.6	4.2	3566	1.3	128.8	0.5	18.6	3.0	78	50	46	
07-8143	3 1.20	16.4	12.5	14.4	2.5	0.50	1.26	910	0.5	1.1	1.66	1.71	5.8	33.6	658	20	2.5	34	1.6	20.3	24.3	0.5	3.8	131	0.1	0.25	4.3	2995	2.6	167.4	0.5	16.1	3.4	124	50	50	
07-8144	5 0.79	16.4	16.3	8.0	1.2	0.41	0.63	640	0.5	0.5	1.76	1.95	7.2	14.1	406	10	2.5	26	0.8	12.5	15.2	0.5	3.3	128	0.1	0.25	4.5	3651	1.6	93.3	0.5	16.8	2.6	40	50	59	
07-8145	5 0.87	14.8	16.0	11.0	3.1	0.34	0.73	578	0.5	0.5	1.68	1.80	8.3	15.9	276	11	2.5	33	0.8	11.7	14.9	0.5	2.9	122	0.1	0.25	5.3	3948	1.2	95.2	0.5	13.9	2.4	44	50	61	
07-8146	5 1.09	18.7	17.3	16.0	2.8	0.42	0.94	667	2	0.5	1.70	1.70	7.5	33.3	372	21	3.0	49	1.0	14.8	17.2	0.5	3.4	128	0.1	0.7	6.4	3599	2.9	108.4	0.5	14.8	2.6	75	50	59	
07-8147	5 0.97	15.6	15.0	18.1	3.2	0.38	0.89	695	0.5	0.5	1.65	1.66	7.3	23.3	272	20	4.1	44	0.7	14.8	17.3	0.5	3.0	126	0.1	0.25	5.9	3397	3.0	104.0	0.5	12.3	2.4	77	50	54	
07-8149	4 0.88	13.6	13.2	16.0	3.7	0.37	0.92	799	0.5	0.5	1.70	1.74	5.7	24.3	316	19	3.1	39	0.6	13.6	16.2	0.5	2.6	145	0.5	0.25	5.8	2995	2.4	93.4	0.5	12.8	2.4	60	300	45	
07-8150	5 0.93	14.4	14.5	11.7	1.8	0.39	0.94	744	0.5	0.5	1.77	1.89	6.8	19.9	297	12	2.3	35	0.6	12.8	15.9	0.5	2.7	136	0.1	0.25	5.0	3405	1.4	101.4	0.5	14.9	2.5	50	50	56	
07-8151	4 1.01	14.4	15.1	13.5	2.7	0.38	1.03	731	0.5	0.5	1.65	1.73	6.9	24.3	258	13	2.0	40	0.7	14.4	17.4	0.5	2.8	129	1.1	0.25	6.2	3482	1.8	107.7	0.5	14.0	2.4	54	50	53	
07-8152	5 0.80	12.8	14.0	10.0	3.1	0.34	0.90	542	0.5	0.5	1.66	1.84	6.4	19.8	291	10	2.9	30	0.7	12.0	15.5	0.5	2.6	134	0.1	0.25	4.7	3361	1.3	95.2	0.5	14.4	2.3	38	50	53	
07-8153	5 0.84	12.8	12.5	11.5	3.4	0.36	1.12	707	2	0.5	1.73	1.79	6.7	25.9	251	11	2.5	34	0.7	14.4	17.9	0.5	2.6	136	0.1	0.25	5.8	3587	2.1	99.8	0.5	13.4	2.4	44	50	54	
07-8154	4 0.78	12.8	13.3	13.6	2.2	0.35	1.69	1088	0.5	0.5	1.62	1.76	5.9	36.4	421	8	2.5	29	0.6	17.6	22.2	0.5	2.8	158	0.1	0.25	4.3	3979	0.3	141.2	0.5	16.5	2.4	59	50	41	
07-8155	2 0.95	16.8	16.9	36.9	9.0	0.34	2.21	1669	0.5	0.5	1.34	1.45	8.7	71.7	214	16	3.8	50	4	20.8	24.5	0.5	3.1	154	0.1	0.25	7.7	4313	1.5	151.2	0.5	16.8	2.5	73	50	44	
07-8156	3 0.80	12.8	12.7	13.5	2.2	0.45	1.60	984	3	0.5	1.62	1.73	6.0	33.6	310	10	2.5	32	0.6	19.2	23.0	0.5	3.0	141	0.1	0.6	4.4	4057	0.3	141.2	0.5	16.4	2.6	55	200	41	
07-8157	4 0.74	11.2	10.9	10.5	2.9	0.34	1.43	752	0.5	0.5	1.70	1.81	5.1	32.7	315	8	2.6	28	0.5	15.2	18.7	0.5	2.3	144	0.1	0.25	3.8	3373	0.8	117.2	0.5	14.3	2.1	42	50	38	
07-8158	3 0.96	13.6	12.1	9.2	6.4	0.42	1.12	804	0.5	0.5	1.18	1.21	5.4	160.0	426	5	42	34	0.4	18.4	21.2	0.5	2.4	132	0.1	0.25	8.6	2826	2.4	112.9	0.5	11.1	1.6	49	50	38	
07-8159	3 0.98	14.4	13.2	21.1	3.7	0.42	1.21	835	0.5	0.5	1.65	1.71	7.7	34.0	232	16	3.4	38	0.6	16.8	19.6	0.5	2.9	132	0.1	0.25	5.5	3649	2.2	102.0	0.5	13.9	2.8	73	50	42	
07-8160	4 0.86	19.2	17.2	14.0	5.6	0.46	1.36	978	5	0.5	2.36	2.57	8.3	33.8	648	12	2.5	34	0.9	20.8	24.2	0.5	4.0	155	0.1	0.6	7.2	4905	1.8	163.0	0.5	18.0	3.0	93	50	55	
07-8161	4 0.53	31.2	30.3	3.9	2.4	0.67	0.81	1872	0.5	1.9	2.56	3.20	8.1	32.5	1198	40	2.5	15	1.3	16.8	20.7	0.5	6.4	151	1.3	0.8	7.2	5775	2.9	144.1	0.5	27.7	4.5	189	50	77	
07-8162	4 0.78	29.6	28.0	4.8	2.3	0.63	1.06	1635	6	3.0	2.63	2.94	7.6	35.5	1169	30	2.7	27	1.5	17.6	21.8	0.5	6.5	155	0.1	1.0	9.3	4837	3.1	162.6	0.5	26.2	4.4	200	50	76	
07-8163	4 0.74	27.2	25.0	5.3	3.2	0.65	0.99	1938	0.5	0.6	2.42	2.70	7.5	41.8	893	35	2.6	27	3.7	17.6	22.3	0.5	6.4	142	0.1	1.2	8.4	4649	3.6	162.4	0.5	26.5	4.2	200	50	62	
07-8164	4 0.86	24.8	23.5	5.2	2.1	0.54	1.32	748	4	0.5	2.70	3.24	6.9	17.7	971	19	3.5	38	0.4	17.6	22.0	0.5	5.1	156	0.1	0.25	7.5	5291	2.4	147.6	0.5	25.4	3.8	98	50	61	
07-8165	3 0.60	20.0	18.3	4.2	2.7	0.47	1.04	1104	0.5	0.5	2.48	2.98	7.2	16.8	1100	75	45	19	1.0	16.8	21.3	2.0	4.3	136	0.1	0.6	6.3	4470	2.0	137.0	0.5	16.8	3.2	122	50	62	
07-8166	4 0.66	32.0	28.5	5.2	2.4	0.59	0.89	2078	0.5	2.3	2.52	3.05	7.5	37.4	1305	59	2.5	23	1.7	17.6	21.1	0.5	6.2	149	1.6	1.2	8.6	4862	4.8	169.3	0.5	26.0	4.2	261	50	70	
07-8167	4 0.68	24.8	23.8	4.6	2.1	0.61	1.01	984	0.5	0.5	2.78	3.26	7.0	16.6	645	18	2.5	19	0.4	16.8	21.1	0.5	5.4	159	0.1	0.9	7.3	5088	2.5	135.3	0.5	26.0	4.3	79	200	68	
07-8168	5 0.52	28.8	27.3	6.0	9.1	0.81	1.41	1231	2	0.5	2.32	2.52	11.4	15.7	2574	10	2.5	22	0.5	23.2	28.1	0.5	8.8	149	0.1	1.2	6.1	8620	2.5	168.0	0.5	46.9	5.8	82	50	74	
07-8169	5 0.79	28.7	25.2	4.2	2.0	0.67	0.98	955	2	0.5	2.85	3.43	6.8	14.8	639	20	54	25	0.5	17.2	20.5	0.5	6.2	139	0.1	1.0	8.9	4665	2.0	116.5	0.5	23.7	4.5	86	50	63	
07-8170	3 0.80	23.0	18.4	5.7	3.7	0.62	1.27	1519	0.5	1.3	2.80	2.83	6.4	22.4	1046	47	39	28	1.1	21.3	23.5	0.5	6.2	119	0.1	1.0	8.6	3685	2.5	151.9	0.5	19.8	4.2	145	50	78	
07-8171	4 0.99	29.5	25.8	5.5	2.4	0.67	1.11	2257	0.5	0.5	2.33	2.59	6.8	23.4	1062	35</																					

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
07-8199	3.056	24.6	22.8	7.3	4.5	0.64	1.31	634	7	0.5	2.90	3.04	5.5	20.3	369	15	2.5	14	0.5	16.4	20.1	0.5	4.4	105	0.1	0.25	9.7	3861	2.0	118.6	0.5	17.8	4.3	129	50	65	
07-8200	5.066	23.0	20.4	6.4	2.6	0.92	1.29	745	0.5	0.5	2.98	3.32	5.8	21.2	552	18	2.5	23	0.3	16.4	19.6	0.5	4.8	112	0.1	0.25	8.2	4050	3.1	107.6	0.5	23.0	5.4	108	50	76	
07-8201	3.053	19.7	19.3	5.8	5.0	0.61	1.04	648	0.5	0.5	2.72	3.04	5.8	20.3	727	14	2.5	18	0.5	18.0	20.7	0.5	3.9	120	0.1	0.25	6.9	4284	0.3	126.1	0.5	21.5	3.8	81	50	50	
07-8202	3.108	18.0	15.9	22.2	15.2	0.74	1.35	3711	0.5	0.5	1.12	0.98	7.9	66.8	1135	76	2.5	41	3.1	29.5	32.8	0.5	4.8	80	0.1	1.1	10.1	4069	4.4	174.5	0.5	23.0	4.4	226	50	62	
07-8203	3.113	18.0	15.5	14.6	2.9	0.71	1.22	1015	0.5	0.5	1.94	1.80	6.0	26.8	527	17	2.5	38	1.5	21.3	23.3	0.5	3.4	116	0.1	0.25	6.5	3202	2.4	131.3	0.5	17.6	4.1	98	50	48	
07-8204	5.081	13.4	10.7	10.1	3.2	0.59	0.81	517	0.5	0.5	1.75	1.73	5.1	12.9	358	11	2.5	17	1.0	15.9	18.3	0.5	2.6	119	0.1	1.5	4.4	3164	2.0	104.4	0.5	11.5	3.4	62	50	43	
07-8205	3.100	14.3	11.7	12.3	3.1	0.54	1.27	1404	0.5	0.5	1.82	1.82	5.4	55.1	514	18	2.5	29	1.0	19.7	24.8	0.5	3.0	93	0.1	0.25	5.3	2735	2.6	131.1	0.5	11.0	3.6	215	50	52	
07-8206	3.102	13.9	11.7	11.6	3.7	0.62	1.00	732	0.5	0.5	1.89	1.76	5.1	17.2	235	14	2.5	23	1.0	19.7	22.0	0.5	2.5	101	0.1	0.25	5.0	2737	2.0	112.7	0.5	11.6	3.6	94	50	44	
07-8207	3.072	12.6	11.3	10.1	6.5	0.54	0.75	339	0.5	0.5	1.67	1.66	5.0	12.1	307	18	2.5	19	1.0	15.9	18.3	0.5	2.5	101	0.1	0.25	4.6	2789	0.3	91.8	0.5	10.5	3.0	71	50	42	
07-8208	3.093	13.9	12.4	13.9	4.2	0.47	1.15	676	0.5	0.5	1.64	1.67	5.7	23.3	537	22	2.5	23	1.4	21.3	25.6	0.5	3.4	95	0.1	0.25	4.2	2926	1.2	126.1	0.5	11.1	3.0	108	50	47	
07-8210	5.088	13.9	13.9	13.6	3.3	0.41	1.09	1121	0.5	0.5	1.67	1.78	7.1	23.1	200	41	26	32	1.1	18.0	21.4	0.5	3.0	117	0.1	0.25	4.6	4137	0.3	140.4	0.5	14.3	2.5	75	50	55	
07-8211	4.095	13.9	12.6	16.0	8.7	0.42	0.96	681	0.5	1.0	1.63	1.72	6.2	16.4	432	14	40	47	0.9	16.4	19.7	0.5	2.8	108	0.1	0.25	4.1	3678	0.3	126.2	0.5	10.1	2.4	85	50	49	
07-8212	3.084	15.6	14.7	10.0	2.8	0.48	0.92	374	0.5	0.5	1.86	2.03	4.8	14.0	402	11	2.5	22	1.0	15.6	19.1	0.5	3.6	103	0.1	0.7	4.1	2918	2.3	106.0	0.5	11.9	3.0	98	50	47	
07-8213	2.085	14.8	11.2	9.9	5.4	0.45	1.02	615	0.5	0.5	1.91	1.97	4.4	15.6	270	15	2.5	22	0.7	17.2	19.5	0.5	3.3	78	1.5	0.25	4.8	2499	2.0	104.2	0.5	9.2	2.8	118	50	50	
07-8214	3.082	18.9	17.2	8.9	3.4	0.45	1.13	1677	0.5	0.5	2.13	2.33	6.0	22.5	485	19	2.5	26	1.1	17.2	21.1	0.5	4.2	98	0.1	0.7	5.5	3800	0.3	126.6	0.5	14.1	3.0	109	50	56	
07-8215	2.085	16.4	15.0	7.9	2.5	0.52	1.14	996	0.5	0.5	2.31	2.56	4.8	21.0	639	25	31	23	1.0	18.0	21.3	0.5	4.0	91	0.1	0.25	4.3	2794	1.4	124.1	0.5	14.2	3.4	136	50	50	
07-8216	3.081	20.5	19.7	7.8	2.4	0.57	1.09	1077	0.5	0.5	2.39	2.63	4.5	20.5	678	20	34	23	0.9	18.0	21.6	0.5	4.6	102	0.1	0.8	4.8	2807	1.6	120.3	0.5	16.7	3.4	120	400	53	
07-8217	3.090	16.4	15.4	10.2	3.3	0.48	1.03	1140	0.5	0.5	2.03	2.21	5.0	18.2	449	19	2.5	25	1.2	17.2	20.7	0.5	3.8	92	0.1	0.6	5.0	2708	1.6	116.1	0.5	12.2	3.1	110	50	52	
07-8218	3.080	22.9	21.9	9.6	4.4	0.47	1.13	1037	0.5	0.5	2.46	2.59	6.3	19.4	656	14	2.5	28	0.9	19.0	22.4	0.5	4.7	114	0.1	0.9	6.4	4154	0.3	135.8	0.5	17.4	3.0	67	200	51	
07-8219	3.089	21.3	18.5	10.1	3.2	0.50	1.29	1131	0.5	0.5	2.46	2.56	6.8	26.2	706	15	32	35	1.0	20.5	23.5	0.5	4.5	110	0.1	0.6	5.5	3737	3.0	145.7	0.5	17.2	3.4	102	50	53	
07-8220	3.065	16.6	15.1	8.8	4.3	0.47	1.14	1461	0.5	0.5	2.43	2.63	7.3	30.0	722	20	38	24	1.1	19.8	23.8	0.5	4.0	124	0.1	0.25	4.7	4812	2.0	157.6	0.5	18.1	3.2	93	50	48	
07-8221	3.076	19.8	18.9	9.9	2.5	0.55	1.21	1179	0.5	0.5	2.57	3.02	7.4	30.3	808	14	2.5	26	1.0	20.5	25.3	0.5	4.7	133	0.1	0.25	3.9	4873	2.2	162.2	0.5	22.6	3.5	88	50	50	
07-8222	3.064	12.6	11.5	13.1	8.8	0.55	1.47	1829	0.5	1.3	1.92	2.04	9.3	34.7	959	13	2.5	25	1.2	28.4	34.4	0.5	4.3	133	0.1	0.7	4.9	7068	2.6	216.9	0.5	26.1	3.7	121	50	47	
07-8223	4.088	18.2	17.1	12.4	2.9	0.55	1.36	1352	0.5	0.5	2.54	2.58	8.2	30.2	477	10	2.5	35	1.0	22.1	26.4	0.5	4.4	128	0.1	0.9	4.5	5650	1.7	189.7	0.5	19.0	3.5	86	50	51	
07-8224	3.078	18.2	16.9	10.9	2.8	0.58	1.35	1547	0.5	0.5	2.56	2.76	8.7	33.6	779	12	2.5	29	1.2	22.9	27.3	0.5	4.7	135	0.1	1.0	4.2	6218	3.0	196.2	0.5	23.3	3.7	94	50	48	
07-8225	3.089	17.4	14.7	8.8	2.7	0.51	1.02	1041	0.5	0.5	1.94	1.90	6.0	22.2	391	34	2.5	22	1.1	18.2	21.2	0.5	4.0	92	0.1	0.8	4.8	2348	2.2	117.0	0.5	13.2	3.5	108	50	50	
07-8226	2.140	23.7	17.5	8.3	4.4	0.46	1.21	615	0.5	0.5	2.13	2.08	8.3	19.4	538	37	42	72	0.6	19.0	21.7	0.5	4.7	61	0.1	0.25	9.3	3900	2.5	142.0	0.5	9.0	2.8	117	50	68	
07-8227	3.070	13.4	10.9	13.8	8.4	0.40	0.84	426	0.5	0.5	1.64	1.66	7.0	23.7	311	19	2.5	25	1.0	16.6	19.3	0.5	2.9	102	0.1	0.6	4.7	3878	1.0	145.5	0.5	10.6	2.5	117	200	46	
07-8228	3.083	14.6	12.3	11.4	5.3	0.45	1.00	1035	0.5	0.5	1.73	1.64	6.3	23.6	274	17	2.5	24	1.5	18.9	21.0	0.5	3.4	101	0.1	0.25	4.8	2929	2.2	117.9	0.5	11.3	2.8	77	50	45	
07-8229	3.072	21.5	19.0	8.8	4.9	0.40	1.87	962	3	0.5	2.49	2.52	7.5	26.5	377	9	2.5	32	0.7	19.8	22.6	0.5	4.8	124	0.1	0.25	7.9	4278	2.5	173.1	0.5	13.0	2.7	56	50	51	
07-8230	3.092	22.4	20.8	7.7	2.7	0.46	1.30	568	0.5	3.0	2.23	2.40	6.9	22.8	619	12	2.5	29	0.8	18.1	22.0	0.5	4.8	124	0.1	0.25	8.2	3290	3.7	130.0	0.5	15.7	3.3	81	50	60	
07-8231	3.075	24.9	23.6	7.0	5.2	0.46	1.06	976	0.5	0.5	1.99	2.10	6.4	20.5	740	16	39	22	0.8	16.3	19.4	0.5	4.7	113	0.1	0.25	8.2	3290	2.0	114.0	0.5	15.1	3.0	69	50	56	
07-8232	4.085	28.4	24.8	7.0	5.1	0.52	1.44	1182	0.5	1.1	2.70	2.70	7.6	19.8	840	13	2.5	34	0.4	18.9	20.7	0.5	5.4	141	2.1	0.25	14.8	3862	4.6	133.8	0.5	19.2	3.5	69	50	77	
07-8233	3.065	27.5	27.9	3.9	2.1	0.41	1.01	1067	0.5	0.5	2.46	2.70	6.7	18.7	968	23	36	23	0.5	16.3	20.7	0.5	4.7	146	0.1	0.9	14.8	3875	2.2	122.2	0.5	20.4	2.8	55	50	64	
07-8235	5.075	14.6	14.0	15.9	5.2	0.42	1.26	610	0.5	0.5	1.96	1.86	7.7	31.3	374	13	2.5	23	1.9	19.8	22.2	0.5	3.3	115	0.1	0.25	4.2	4841	0.3	167.4	0.5	15.6	2.7	52	50	46	
07-8236	4.073	15.5	13.6	17.8	7.1	0.45	1.23	1124	0.5	0.5	1.80	1.67	7.0	30.8	531	17	2.5	27	1.7	18.1	20.8	0.5	3.5	117	0.1	0.25	4.6	4132	1.5	141.5	0.5	18.0	2.8	54	50	45	
07-8237	3.076	12.9	10.3	8.2	6.5	0.40	0.70	1082	0.5	0.5	1.54	1.53	5.7	17.1	491	16	2.5	17	1.4	15.5	18.0	0.5	2.9	94	0.1	0.25	4.0	2573	1.3	95.5	0.5	11.1	2.5	143	50	40	
07-8238	0.504	14.2	13.7	7.3	2.5	0.56	0.84	927	0.5	0.5	1.88	1.84	5.5	16.2	404	27	69	17	1.3	17.5	21.1	0.5	3.3	85	0.1	0.25	4.2	2075	0.3	102.1	0.5</						

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
07-8267	6.067	16.5	8.3	7.7	10.4	0.62	0.38	244	18	15.3	1.49	1.39	5.7	5.9	219	17	2.5	22	0.4	11.4	13.3	0.5	2.8	84	0.1	0.9	4.6	3862	0.3	78.2	0.5	9.4	2.8	22	50	49	
07-8268	5.112	18.0	13.3	14.0	4.1	0.47	0.81	484	0.5	0.5	1.62	1.62	6.5	18.8	266	14	2.5	46	1	10.9	17.2	0.5	3.3	99	4.1	0.25	6.3	2866	0.3	92.7	0.5	10.9	3.0	54	800	61	
07-8269	6.085	14.9	13.0	11.9	4.8	0.48	0.75	502	0.5	0.5	1.58	1.62	7.3	16.4	232	11	2.5	32	0.9	13.1	16.5	0.5	2.8	113	0.1	0.25	4.4	3806	0.3	100.2	0.5	13.3	2.8	48	600	62	
07-8270	5.058	15.0	9.7	6.4	5.9	0.87	0.80	422	0.5	1.8	2.82	2.92	4.7	8.4	311	8	2.5	14	0.4	15.0	18.2	0.5	4.7	54	0.1	0.9	3.4	1653	2.8	87.7	0.5	6.4	5.3	141	50	54	
07-8271	5.215	0.25	8.5	2.7	6.7	0.31	0.73	369	0.5	2.0	1.65	1.49	9.4	11.3	149	66	110	117	0.3	28.5	31.3	0.5	1.8	90	2.0	0.25	4.6	6570	3.2	227.1	0.5	6.9	2.0	83	50	61	
07-8272	5.663	14.7	9.8	8.5	12.9	0.51	0.98	540	0.5	0.5	1.86	1.73	7.1	13.7	215	15	2.5	29	0.6	16.5	19.7	0.5	2.8	80	0.1	0.25	8.7	2717	0.3	103.3	0.5	10.2	3.0	67	50	51	
07-8273	11.029	12.5	4.4	2.4	12.2	0.52	0.13	4740	0.5	0.5	1.60	1.49	46.7	15.3	385	17	2.5	10	0.9	5.2	5.5	0.5	1.8	50	0.1	0.25	5.6	3570	0.3	170.2	0.5	4.4	2.9	30	50	80	
07-8274	6.080	18.5	13.8	19.6	8.1	0.79	0.86	583	0.5	0.5	3.11	3.10	8.0	18.7	652	14	2.5	38	1	21.6	23.0	0.5	4.5	114	0.1	0.25	5.3	4780	3.7	183.0	0.5	13.4	4.6	104	50	50	
07-8275	5.074	21.6	16.3	8.6	4.0	0.75	1.37	1241	5	0.5	2.79	2.67	8.9	22.5	657	15	2.5	28	0.8	24.6	28.2	0.5	5.4	101	0.1	0.25	6.6	5987	0.3	181.3	0.5	26.6	4.8	88	50	65	
07-8276	3.065	15.4	11.2	10.1	4.9	0.60	1.09	709	0.5	0.5	2.49	2.45	8.1	18.5	578	6	2.5	21	0.9	18.5	22.8	0.5	3.7	139	0.1	0.25	3.9	6101	0.3	157.0	0.5	16.7	3.4	60	50	47	
07-8277	6.088	21.6	11.6	14.9	10.1	0.97	0.94	837	0.5	0.5	2.56	2.34	6.8	14.5	700	7	2.5	43	0.8	15.2	17.1	0.5	5.2	102	0.1	0.25	5.9	3347	3.9	81.5	0.5	14.5	5.5	179	50	73	
07-8278	3.092	21.6	17.2	6.5	6.4	0.52	1.12	575	0.5	0.5	2.14	2.08	7.0	16.4	827	12	2.5	42	0.6	16.9	20.4	0.5	3.8	99	0.1	0.25	7.8	3926	3.7	121.6	0.5	15.7	3.5	73	50	57	
07-8279	5.061	21.6	17.4	5.4	3.7	0.66	1.04	825	0.5	0.5	2.56	2.50	7.1	16.0	710	14	2.5	23	0.5	16.9	20.7	0.5	4.3	126	0.1	0.25	7.7	4053	0.3	129.1	0.5	21.4	4.3	58	50	55	
07-8280	6.007	14.3	12.9	2.6	4.0	0.77	1.36	682	0.5	0.5	3.06	2.10	9.8	15.8	132	16	2.5	3	0.6	44.7	49.9	0.5	4.8	367	0.1	0.25	3.2	12282	0.3	405.6	0.5	28.5	3.8	33	50	67	
07-8281	5.069	27.7	23.9	5.8	2.0	0.86	1.06	957	0.5	0.5	2.06	3.19	6.9	15.0	384	16	2.5	21	0.5	16.9	19.6	0.5	5.9	99	0.1	1.2	6.3	3839	2.9	107.4	0.5	26.6	5.2	91	50	30	
07-8282	6.068	26.2	23.3	5.6	1.8	1.12	1.30	851	0.5	0.5	3.16	3.43	7.5	22.1	656	37	2.5	17	1.1	18.5	21.2	0.5	5.9	130	0.1	1.1	7.0	4837	4.3	125.9	0.5	31.7	6.8	253	50	98	
07-8283	3.070	18.4	13.2	10.1	3.8	0.60	0.87	946	7	0.5	2.72	2.47	7.1	20.5	547	15	2.5	19	1.3	20.0	23.2	0.5	3.7	140	0.1	0.25	5.5	3976	3.7	144.0	0.5	15.8	4.2	86	50	52	
07-8284	7.036	11.7	7.3	2.2	6.4	0.70	0.35	238	0.5	0.5	3.02	2.91	7.8	6.8	158	13	2.5	11	0.8	10.0	10.5	0.5	2.0	96	0.1	0.25	5.5	6931	4.2	104.7	0.5	10.0	3.8	12	50	90	
07-8285	5.036	16.7	5.9	2.2	10.9	0.55	0.35	244	0.5	0.5	2.49	2.97	7.6	4.9	164	12	2.5	9	0.7	18.4	10.5	0.5	3.7	99	0.1	0.25	6.4	6799	4.6	108.0	0.5	9.8	3.5	12	50	89	
07-8286	5.048	18.4	14.9	6.8	6.0	0.62	0.71	753	0.5	0.5	2.62	2.52	7.4	16.0	579	20	2.5	17	1.2	18.4	21.2	0.5	4.2	143	0.1	0.25	7.5	4569	2.0	127.3	0.5	18.9	4.2	85	50	60	
07-8287	0.525	7.3	4.0	14.1	14.1	0.37	3.89	662	0.5	0.5	2.10	1.87	6.8	179.1	258	2	2.5	15	1.0	35.1	37.3	0.5	1.7	57	0.1	0.25	2.8	3353	0.3	263.9	0.5	7.4	2.0	92	50	29	
07-8289	3.073	25.0	20.1	6.9	4.7	0.75	1.18	862	5	0.5	2.82	2.88	8.3	19.8	860	24	2.5	32	0.5	20.0	24.2	0.5	5.0	143	0.1	0.25	11.0	5217	3.3	147.1	0.5	25.2	4.5	113	50	74	
07-8290	5.080	23.4	20.6	8.8	4.1	0.87	1.61	1444	0.5	2.9	2.94	2.98	8.8	23.7	1049	11	94	36	0.5	21.7	24.9	0.5	5.2	157	0.1	0.8	7.9	6150	2.4	167.9	0.5	27.3	5.3	155	50	69	
07-8291	5.061	18.4	15.3	6.8	3.2	0.80	0.96	670	0.5	0.5	2.97	3.05	6.7	17.0	558	19	2.5	19	1.0	16.0	18.8	0.5	4.5	115	0.1	0.25	5.3	4287	2.0	118.9	0.5	22.7	5.3	81	50	60	
07-8292	3.100	21.7	12.1	3.5	0.63	1.62	1166	10	0.5	2.71	2.53	6.6	54.1	383	13	99	34	0.7	21.7	25.1	0.5	5.3	107	0.1	0.25	6.8	4199	0.3	137.6	0.5	17.3	4.7	84	50	45		
07-8293	6.143	34.1	30.5	14.0	11.2	0.56	1.37	776	9	2.4	1.81	1.64	9.0	26.1	504	11	182	82	0.3	17.0	19.3	0.5	5.1	101	0.1	0.25	13.3	4035	6.1	137.0	0.5	16.8	3.4	63	50	66	
07-8294	3.061	26.4	23.3	5.6	6.0	0.62	1.40	760	5	0.5	2.84	2.85	7.1	17.9	586	17	2.5	20	0.05	18.6	21.2	0.5	4.3	151	0.1	0.25	10.1	4574	3.3	140.0	0.5	20.7	3.4	63	50	62	
07-8295	5.074	21.7	19.5	5.0	4.4	0.54	1.52	834	0.5	0.5	2.67	2.57	7.3	22.1	741	13	2.5	29	0.05	18.6	22.5	0.5	4.0	143	0.1	0.25	8.0	4633	0.3	146.1	0.5	19.2	3.4	67	50	58	
07-8296	5.043	7.0	3.7	0.9	3.1	0.79	0.18	93	0.5	0.5	3.64	3.58	2.0	0.5	106	0.5	2.5	7	0.3	9.1	10.0	0.5	1.4	68	0.1	0.25	4.6	1421	1.8	47.3	0.5	6.0	4.3	11	50	72	
07-8297	0.569	12.2	7.3	15.7	9.3	0.64	0.88	669	0.5	0.5	1.95	1.80	7.9	17.2	485	8	2.5	21	0.9	23.3	25.1	0.5	3.3	109	0.1	0.9	4.2	3382	3.5	162.7	0.5	11.3	3.7	100	50	33	
07-8298	3.063	18.6	15.7	8.2	2.5	0.64	0.84	1019	0.5	0.5	2.33	2.31	9.4	19.5	873	13	2.5	22	1.1	17.0	22.0	0.5	4.0	180	0.1	0.25	3.8	5364	2.9	139.5	0.5	21.6	3.9	83	50	47	
07-8299	3.160	7.3	7.0	22.9	2.2	0.53	0.92	999	0.5	0.5	2.20	2.12	7.5	14.8	579	7	2.5	48	0.3	17.0	21.5	0.5	1.7	118	0.1	0.25	3.7	3523	2.7	62.8	0.5	13.2	3.3	101	50	46	
07-8300	3.083	20.1	17.2	14.9	4.0	0.84	1.84	1444	12	12.9	1.71	1.72	9.3	94.3	1394	27	2.5	28	1.5	27.9	34.5	0.5	5.3	111	0.1	1.1	4.1	4246	7.0	344.4	0.5	31.8	5.1	225	50	35	
07-8305	3.064	11.2	10.2	9.6	4.2	0.64	1.16	1353	0.5	0.5	2.23	2.23	7.6	22.6	588	14	2.5	17	1.1	18.6	21.8	0.5	4.0	237	0.1	0.25	4.3	5231	2.2	114.0	0.5	24.9	4.2	76	50	37	
07-8301	5.081	18.6	15.9	17.7	3.3	0.70	0.89	908	0.5	0.5	2.34	2.19	9.8	19.3	1044	13	2.5	32	0.6	20.1	22.7	0.5	4.8	220	0.1	0.25	5.8	4601	3.1	109.7	0.5	25.6	4.3	132	500	39	
07-8302	3.047	9.0	8.0	15.0	6.6	0.53	0.97	809	0.5	0.5	2.08	1.91	7.2	13.7	328	9	59	20	0.5	23.3	26.7	0.5	2.5	178	0.1	0.25	3.2	3692	0.3	123.6	0.5	17.6	3.3	99	50	25	
07-8304	3.083	20.1	17.2	14.9	4.0	0.84	1.84	1444	12	12.9	1.71	1.72	9.3	94.3	1394	27	2.5	28	1.5	27.9	34.5	0.5	5.3	111	0.1	1.1	4.1	4246	7.0	344.4	0.5	31.8	5.1	225	50	35	
07-8305	3.064	11.2	10.2	9.6	4.2	0.64	1.16	1353	0.5	0.5	2.23	2.23	7.6	22.6	588	14	2.5	17	1.1	18.6	21.8	0.5	4.0	237	0.1	0.25	4.3	5231	2.2								

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
07-8334	5 1.19	22.0	20.2	16.8	3.8	0.50	0.93	1512	0.5	0.5	1.87	1.87	11.7	34.4	360	15	2.5	55	55	0.6	13.7	16.2	0.5	4.3	127	0.1	0.25	8.9	5208	3.4	93.1	0.5	18.7	3.4	44	50	55
07-8335	5 0.87	22.0	20.8	17.4	3.0	0.52	1.13	2386	0.5	0.5	1.79	1.91	13.8	43.5	878	14	2.5	42	1.3	17.5	21.3	0.5	5.0	149	0.1	0.8	6.0	7487	1.8	139.0	0.5	24.5	3.2	73	50	53	
07-8337	5 0.94	19.8	17.6	21.7	2.6	0.47	1.28	1699	0.5	0.5	1.92	2.03	13.0	38.8	859	12	3.0	48	0.9	16.7	20.0	0.5	4.4	163	0.1	0.8	5.3	7108	2.5	146.1	0.5	21.0	2.9	66	50	53	
07-8338	4 1.00	23.6	24.3	20.2	3.7	0.40	1.59	1787	0.5	0.5	1.80	2.00	22.9	54.2	1445	10	2.5	49	0.2	16.7	20.6	0.5	5.0	242	0.1	0.8	5.3	9159	3.9	179.6	0.5	22.8	2.3	91	50	51	
07-8339	4 0.89	22.0	22.3	17.1	2.1	0.48	1.31	1957	2	0.5	1.77	1.96	13.9	40.4	957	12	2.5	44	1.1	16.7	21.2	0.5	4.9	237	0.1	0.25	4.8	7578	2.9	156.3	0.5	24.5	2.8	75	50	49	
07-8340	5 1.24	69.9	62.7	23.0	14.4	0.38	2.46	881	0.5	0.5	1.36	1.37	20.6	56.1	8807	8	2.5	77	0.5	17.5	20.3	0.5	11.4	768	0.1	1.1	6.7	10562	0.3	181.5	0.5	24.1	2.4	167	50	35	
07-8341	5 0.57	24.3	24.3	19.5	7.3	0.47	1.86	1943	0.5	1.1	1.97	2.11	17.6	43.7	1835	12	4.3	31	0.05	21.3	26.1	0.5	5.2	310	0.1	0.7	4.8	9899	3.0	195.0	0.5	27.8	3.0	110	50	43	
07-8342	5 0.86	21.8	20.5	12.2	2.1	0.51	1.16	1646	0.5	0.5	2.02	2.15	12.3	27.8	1054	13	3.4	38	0.7	19.5	23.3	0.5	4.6	271	0.1	0.8	5.4	6564	2.7	131.8	0.5	24.1	3.4	79	50	47	
07-8343	7 1.26	48.4	44.4	20.2	3.3	0.67	1.44	1060	0.5	0.5	2.08	2.12	18.0	27.6	963	31	3.7	71	0.6	17.9	20.7	0.5	7.2	255	0.1	0.25	12.0	7443	5.1	134.8	0.5	26.2	4.1	101	50	53	
07-8344	3 0.68	14.0	9.4	8.8	13.1	0.38	0.48	568	0.5	0.5	1.26	1.31	5.9	16.1	399	25	3.0	26	1.0	12.5	14.7	0.5	2.8	74	0.1	0.25	5.2	2259	2.0	99.4	0.5	8.1	2.5	72	50	46	
07-8500	5 1.01	19.5	19.7	16.4	4.3	0.51	0.94	928	1	0.5	1.54	1.66	8.1	26.8	341	12	2.5	41	1.2	17.2	20.2	0.5	4.1	103	0.1	0.25	5.3	3791	2.7	132.3	0.5	22.4	3.4	69	50	60	
07-8501	8 1.29	13.3	12.8	15.7	1.0	0.45	321	5	0.5	1.93	2.01	21.3	8.2	383	61	2.5	55	55	0.6	9.4	10.6	0.5	6.2	95	0.1	1.3	14.0	4142	4.6	80.6	0.5	51.5	6.9	49	400	94	
07-8502	4 0.90	12.5	12.7	8.8	5.9	0.43	0.60	591	0.5	0.5	1.63	1.68	6.6	15.0	194	10	2.5	26	0.8	10.9	13.7	0.5	3.2	120	0.1	0.7	6.0	3089	2.3	91.5	0.5	22.5	2.7	39	200	56	
07-8503	5 1.30	16.4	15.2	14.1	5.4	0.50	0.76	600	0.5	0.5	1.78	1.88	8.9	15.3	249	14	2.5	45	0.8	10.9	12.2	0.5	3.5	103	0.1	0.6	8.8	3464	3.9	84.2	0.5	17.1	3.7	46	50	86	
07-8505	8 1.17	16.4	15.6	12.2	5.8	0.58	0.61	439	0.5	0.5	1.79	1.77	10.5	12.1	153	14	3.9	44	0.8	10.9	12.2	0.5	3.5	103	0.1	0.6	8.8	3464	3.9	84.2	0.5	17.1	3.7	46	50	86	
07-8506	4 0.59	10.9	8.1	9.5	17.2	0.40	0.39	283	0.5	0.5	1.38	1.36	7.5	9.2	365	10	4.8	22	0.6	10.1	12.0	0.5	2.4	80	0.1	0.25	6.3	2867	1.9	78.9	0.5	10.5	2.2	31	50	44	
07-8507	7 1.13	23.2	20.7	11.9	6.4	0.52	0.57	371	0.5	0.5	1.88	1.85	8.9	10.8	218	13	2.5	32	0.7	11.2	12.5	0.5	5.1	109	0.1	0.25	7.7	3575	1.8	77.7	0.5	15.6	3.4	40	50	81	
07-8508	3 0.59	8.0	7.3	9.6	8.1	0.39	2.09	890	0.5	0.5	1.58	1.55	7.8	42.0	295	7	2.5	20	0.4	21.6	25.5	0.5	2.2	120	0.1	0.25	2.5	5809	1.7	200.2	0.5	16.7	2.5	48	50	36	
07-8509	4 0.27	13.6	12.3	4.6	27.7	0.24	1.48	622	0.5	0.5	1.06	1.01	8.6	19.7	763	3	2.5	9	0.3	21.6	24.1	0.5	3.4	145	0.1	0.6	12.6	4743	2.3	209.9	0.5	12.1	1.5	42	50	47	
07-8510	5 0.71	14.4	14.2	9.0	3.6	0.42	1.39	784	0.5	0.5	1.71	1.75	5.9	37.3	286	8	2.4	29	0.6	17.6	21.3	0.5	2.6	89	0.1	0.6	5.3	3319	2.0	122.3	4	10.9	2.6	83	50	47	
07-8511	3 0.60	12.0	10.2	15.9	16.0	0.44	0.83	740	0.5	0.5	1.42	1.42	8.7	23.3	352	16	2.6	28	0.7	14.4	16.4	0.5	2.6	89	0.1	0.6	5.3	3319	2.0	122.3	4	10.9	2.6	83	50	47	
07-8512	3 0.99	25.6	19.0	8.9	3.7	0.71	1.27	850	0.5	0.5	2.62	2.49	8.1	27.1	726	24	2.5	30	1.6	21.6	24.8	0.5	5.5	128	0.1	1.0	9.0	3692	4.6	165.4	0.5	19.9	4.6	158	50	67	
07-8513	3 0.50	16.0	14.1	5.0	3.4	0.43	0.71	853	5	0.5	2.38	2.41	6.3	15.9	481	23	2.5	9	0.8	15.2	18.9	0.5	3.9	119	0.1	0.8	5.8	2968	1.3	98.8	0.5	14.0	3.2	81	200	49	
07-8514	4 0.54	12.0	10.4	6.9	6.3	0.41	0.54	412	2	0.5	1.89	1.86	5.5	12.9	334	13	3.4	14	0.8	12.0	13.9	0.5	2.6	110	0.9	0.6	4.1	2737	1.3	85.2	0.5	11.8	2.9	59	50	49	
07-8515	4 0.82	16.8	14.6	8.6	1.6	0.47	0.73	787	0.5	0.5	1.74	1.79	6.1	24.8	416	20	2.6	1.2	14.4	17.9	0.5	3.6	110	0.1	0.6	4.7	2644	2.1	97.5	0.5	17.1	3.3	90	200	52		
07-8516	2 1.97	8.0	7.4	33.0	7.7	0.24	3.29	1625	0.5	0.5	1.02	1.00	6.2	159.6	714	3	2.5	71	0.3	44.0	50.0	0.5	3.0	128	0.1	0.25	3.2	5554	0.3	255.4	0.5	18.8	1.8	74	50	26	
07-8517	4 1.04	15.8	12.8	12.5	2.4	0.46	0.66	370	0.5	0.5	1.72	1.63	5.5	9.5	144	9	5.1	41	0.7	13.3	15.1	0.5	3.0	106	1.6	0.25	4.4	2353	2.7	84.3	0.5	8.7	3.0	58	200	46	
07-8518	2 0.26	3.2	1.2	23.5	14.8	0.38	2.94	730	0.5	0.5	1.68	1.56	10.7	63.0	275	3	2.5	23	0.6	35.7	38.7	0.5	2.2	34	0.1	0.25	1.0	9144	0.3	385.1	0.5	12.9	2.5	81	50	21	
07-8519	5 0.82	13.3	12.0	10.1	4.4	0.41	0.66	365	0.5	0.5	1.60	1.56	6.4	13.1	135	38	2.5	31	1.0	14.1	16.2	0.5	2.7	107	0.1	0.25	4.6	3069	2.2	91.5	0.5	11.3	2.7	50	50	51	
07-8520	5 0.84	12.4	12.5	11.0	3.6	0.37	0.81	412	0.5	0.5	1.68	1.68	6.0	20.2	333	13	31	26	1.1	14.9	17.3	0.5	2.7	116	1.2	0.25	4.9	3122	1.4	102.3	0.5	12.8	2.3	54	200	52	
07-8521	6 1.10	13.3	10.7	11.2	4.3	0.40	0.55	425	0.5	0.5	1.57	1.52	6.3	8.5	202	11	32	49	0.9	13.3	14.6	0.5	2.5	105	0.1	0.25	4.7	3189	0.3	92.8	0.5	9.2	2.7	36	200	58	
07-8522	2 0.59	11.6	9.0	9.4	12.0	0.41	1.12	445	0.5	0.5	1.91	1.97	6.4	24.5	309	11	2.5	17	0.7	17.4	20.6	0.5	2.7	79	0.1	0.25	4.8	2717	2.0	124.3	0.5	8.5	2.6	98	50	44	
07-8523	3 0.77	26.6	25.6	9.1	6.4	0.46	1.58	844	0.5	0.5	2.56	2.70	9.0	24.4	488	11	2.5	52	0.05	20.8	24.4	0.5	4.4	210	0.1	0.25	9.7	4605	0.1	160.4	0.5	17.4	3.0	63	50	72	
07-8524	2 1.90	4.3	2.5	4.9	3.7	0.19	0.77	107	0.5	1.1	0.85	0.76	1.7	1.0	70	10	26	5.4	1.9	20.8	22.0	0.5	0.9	72	0.1	0.25	1.6	1494	0.3	162.2	0.5	2.7	1.2	15	50	36	
07-8525	4 0.68	19.9	16.1	6.1	3.4	0.63	0.85	574	0.5	0.5	3.03	3.29	6.1	12.0	198	14	2.5	22	0.4	15.8	17.6	0.5	4.5	114	0.1	0.7	4.3	4185	2.1	110.8	0.5	14.2	4.0	63	50	55	
07-8526	5 0.73	23.2	18.2	6.4	5.0	0.66	0.96	851	0.5	0.3	2.50	3.32	8.5	16.1	642	308	25	19	1.0	19.1	22.2	0.5	6.1	137	0.1	0.9	5.9	5878	0.3	144.9	0.5	23.8	4.8	642	50	65	
07-8527	3 0.54	15.1	10.6	10.3	7.1	0.45	0.94	828	0.5	0.5	2.53	2.43	8.4	22.5	438	11	2.5	21	1.1	21.0	23.0	0.5	3.6	126	0.1	0.5	4.4	5416	2.2	153.7	0.5	14.6	3.2	78	50	45	
07-8528	3 0.45	25.2	21.4	6.0	4.0	0.91	1.18	807	0.5	0.5	2.60	2.53	9.1	21.3	732	16	2.5	15	0.6	21.8	25.7	0.5	7.5	141	0.1	1.2	5.5	4821	2.2	156.6	0.5	31.3	5.4	84	50	46	

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
07-8558	5.167	34.1	10.2	27.8	17.5	0.48	0.67	447	2	2.1	1.10	0.96	10.3	24.5	719	14	132	93	0.8	17.0	19.3	0.5	4.7	72	0.1	0.25	10.9	2233	5.6	184.5	0.5	9.0	2.9	79	50	70	
07-8559	3.080	17.0	15.2	8.9	3.1	0.56	1.07	1038	0.5	0.5	2.34	2.85	8.0	19.0	704	13	25	27	0.6	17.0	22.2	0.5	3.6	146	0.1	0.25	6.1	4619	0.3	142.9	0.5	19.1	3.7	76	50	53	
07-8560	3.080	27.9	13.4	12.5	3.0	0.84	0.94	3565	0.5	3.2	1.92	13.7	11.3	56.4	958	31	60	40	1.4	18.6	23.1	0.5	5.4	155	0.1	1.1	7.3	4482	4.4	139.1	0.5	24.9	4.5	120	50	50	
07-8561	3.057	18.6	17.7	7.8	2.1	0.67	0.80	1411	0.5	0.5	2.33	2.29	8.5	19.7	981	16	25	12	0.8	20.1	24.2	0.5	4.3	195	0.1	0.9	4.3	4274	2.2	118.3	0.5	26.2	4.3	90	500	39	
07-8563	3.077	21.7	19.9	13.0	5.0	0.56	1.24	1534	0.5	0.5	2.09	20.7	8.5	26.1	676	13	25	32	1.2	20.1	23.8	0.5	4.3	202	0.5	0.25	6.5	4862	3.0	145.9	0.5	21.0	3.6	86	50	49	
07-8564	5.089	26.4	25.5	14.3	2.7	0.70	1.23	3444	8	0.5	2.05	1.95	15.6	29.3	875	18	25	40	1.1	18.6	21.9	0.5	4.8	201	0.1	0.9	7.0	5969	0.3	152.0	0.5	27.5	4.5	93	50	49	
07-8565	6.048	14.6	12.9	12.7	5.0	0.93	0.967	8	0.5	0.5	2.14	2.06	9.6	16.6	356	7	25	15	1.1	17.0	20.0	0.5	3.1	262	0.1	0.25	3.6	5981	0.3	140.7	0.5	16.3	2.9	43	50	39	
07-8566	5.091	13.9	9.6	7.5	6.9	0.51	0.73	755	0.5	0.5	2.11	1.98	8.1	14.9	292	9	25	31	1.7	15.2	17.6	0.5	2.6	162	0.1	1.1	3.9	4730	0.3	121.4	0.5	10.7	3.1	40	50	39	
07-8567	6.123	24.5	19.0	30.9	5.3	0.67	1.30	1876	0.5	2.1	1.94	17.7	16.8	28.2	655	11	96	67	2.0	21.4	23.8	0.5	4.7	146	0.1	0.25	7.4	8581	4.2	179.7	0.5	19.8	4.3	80	50	63	
07-8568	5.056	16.8	13.9	10.1	5.0	0.58	1.00	1024	0.5	0.5	2.22	2.16	9.4	17.2	747	7	25	20	1.5	18.4	21.0	0.5	3.5	166	0.1	0.8	4.2	6254	3.0	139.1	0.5	20.4	3.8	47	50	42	
07-8569	5.073	19.9	17.0	13.1	2.6	0.58	1.12	1168	0.5	0.5	2.20	2.17	10.2	24.4	727	8	25	29	1.4	18.4	22.1	0.5	4.1	154	0.1	0.25	4.2	5933	1.6	142.8	0.5	22.3	4.1	56	50	47	
07-8570	3.018	10.3	9.2	13.9	6.7	0.57	1.58	856	0.5	0.5	3.55	3.83	8.3	61.5	669	3	25	1	0.3	32.1	36.8	0.5	3.5	144	0.1	0.25	2.2	8441	0.3	206.1	0.5	25.6	3.5	76	50	31	
07-8571	5.080	21.4	15.8	9.1	3.3	0.70	1.16	1390	0.5	0.5	2.52	2.42	8.7	24.6	696	23	25	27	1.2	21.4	24.0	0.5	4.3	129	0.6	0.25	5.4	5082	2.8	149.9	0.5	19.1	4.3	117	50	57	
07-8572	3.054	14.1	10.8	9.6	6.9	0.49	0.95	695	0.5	0.5	2.17	2.10	8.0	19.9	600	6	47	17	1.1	16.8	19.6	0.5	2.8	185	0.1	0.25	4.3	4663	3.0	128.8	0.5	12.7	2.8	53	50	40	
07-8573	5.071	21.4	18.5	10.4	2.7	0.66	0.91	1421	0.5	0.5	2.30	2.24	11.7	21.2	583	14	25	27	1.2	18.4	22.0	0.5	4.6	157	0.1	1.1	5.3	5136	0.3	138.3	0.5	17.1	4.0	82	50	51	
07-8574	3.046	15.3	12.1	9.7	11.9	0.57	0.89	882	0.5	0.5	2.10	1.91	8.1	17.1	757	8	25	15	1.2	21.4	22.2	0.5	3.7	138	0.1	0.25	4.6	4629	2.6	123.9	0.5	17.4	3.4	60	50	39	
07-8575	3.072	18.4	12.8	10.5	3.1	0.63	0.98	730	0.5	0.5	2.54	2.37	8.7	17.4	453	11	25	23	1.2	21.4	23.9	0.5	3.7	150	0.1	0.25	5.4	4786	3.0	127.4	0.5	17.2	3.8	73	50	48	
07-8576	5.069	17.7	13.0	10.5	3.0	0.66	1.08	736	0.5	0.5	2.59	2.59	9.0	14.9	500	7	48	22	1.3	20.9	22.2	0.5	3.5	176	0.1	0.25	4.7	6345	1.6	148.7	0.5	17.4	4.0	49	50	41	
07-8577	5.066	30.6	24.6	8.8	3.6	0.77	0.93	1298	0.5	1.3	2.82	2.53	25.3	19.2	845	16	25	24	2.1	22.5	23.8	0.5	5.3	186	0.1	0.25	7.7	5599	4.2	139.6	0.5	26.1	5.2	93	50	68	
07-8578	5.053	14.7	12.5	10.9	4.4	0.56	1.04	961	0.5	0.5	2.29	2.34	9.3	22.3	348	10	25	21	1.4	20.9	25.6	0.5	3.4	157	0.1	0.25	5.0	6460	3.4	159.6	0.5	16.4	3.4	61	50	45	
07-8579	5.079	24.1	12.1	7.6	6.7	0.63	0.65	1013	19	17.1	2.72	2.04	6.9	30.3	2381	41	77	26	8.9	20.9	19.0	0.5	4.0	136	0.1	0.25	8.8	3419	10.0	209.3	0.5	11.5	4.0	110	50	52	
07-8580	5.096	17.7	13.0	10.5	3.0	0.66	1.08	736	0.5	0.5	2.33	2.62	6.7	12.7	558	39	25	21	1.1	12.1	15.9	0.5	4.3	73	0.1	1.1	4.9	3153	0.3	57.6	0.5	13.9	5.0	159	50	100	
07-8581	3.065	19.3	15.7	8.1	4.0	0.66	1.19	638	0.5	0.5	2.77	2.68	6.8	21.3	750	14	25	22	1.1	19.3	23.1	0.5	4.3	121	0.1	0.25	5.4	4849	2.8	133.7	0.5	21.6	4.2	79	50	50	
07-8582	5.071	17.7	11.5	8.4	2.9	0.60	0.68	299	0.5	0.5	2.22	2.00	5.5	9.6	290	18	25	18	1.4	15.9	17.0	0.5	3.4	109	0.1	0.25	4.3	3526	0.3	102.6	0.5	10.5	3.4	48	800	46	
07-8583	3.066	12.1	12.6	11.2	3.7	0.42	0.94	803	0.5	0.5	1.38	1.62	6.0	22.3	339	17	25	26	2.1	14.8	21.6	0.5	2.4	108	0.1	0.25	4.0	2892	0.3	118.1	0.5	12.2	2.6	67	50	45	
07-8584	10.163	33.8	27.7	21.8	2.2	0.85	0.99	1704	0.5	0.5	2.16	2.04	12.3	35.4	851	18	121	77	1.8	13.8	16.1	0.5	5.8	120	0.1	1.3	11.9	5325	3.2	87.4	0.5	28.9	5.3	74	500	63	
07-8585	3.087	14.5	13.3	11.6	3.8	0.47	0.98	820	0.5	0.5	1.69	1.62	5.9	24.8	342	17	25	25	2.1	17.7	21.6	0.5	2.9	106	0.1	0.25	4.3	2723	0.3	119.5	0.5	11.8	2.9	69	50	44	
07-8586	7.102	30.1	26.2	14.2	1.8	0.78	1.08	2033	0.5	1.7	1.95	1.89	13.9	35.2	939	43	99	48	2.0	16.7	20.2	0.5	5.8	163	0.1	1.0	7.7	8314	3.6	127.7	0.5	27.8	4.3	67	50	58	
07-8588	5.117	28.4	26.2	34.4	6.0	0.52	1.61	2142	0.5	1.0	1.77	1.65	14.6	51.5	942	15	68	70	1.0	18.4	21.0	0.5	4.8	178	0.1	0.25	8.5	7064	2.8	172.9	0.5	19.8	2.8	92	50	56	
07-8589	5.089	20.0	18.6	57.2	15.3	0.62	1.62	882	0.5	0.5	1.42	1.39	13.1	34.6	597	10	25	58	0.05	18.4	21.3	0.5	3.8	117	0.1	0.25	11.5	5185	5.1	118.0	0.5	22.5	3.7	59	800	79	
07-8590	5.141	26.7	23.3	18.9	2.2	0.62	0.89	1957	0.5	0.5	2.10	2.14	10.2	21.6	833	18	90	63	0.7	12.9	16.0	0.5	4.3	230	0.1	0.25	9.4	5792	3.2	95.5	0.5	23.1	4.2	47	50	57	
07-8591	7.080	33.4	30.0	16.7	3.0	0.57	1.89	1406	0.5	0.5	2.15	2.10	13.1	46.6	2110	17	25	34	0.8	20.0	23.2	0.5	5.8	327	0.1	1.0	6.1	7543	2.7	159.1	0.5	24.8	3.8	85	500	41	
07-8592	6.082	13.0	12.6	13.7	6.9	0.20	0.72	490	0.5	0.5	1.40	1.45	7.0	18.3	342	13	32	36	1.6	14.0	14.8	0.5	3.5	117	0.7	0.7	4.5	3347	1.6	86.7	1	14.2	2.3	63	230	62	
07-8593	5.091	21.7	22.7	14.4	2.1	0.67	1.20	1666	0.5	0.5	2.09	2.18	11.6	29.2	1165	15	48	41	1.2	16.7	21.6	0.5	4.5	273	0.1	0.25	5.8	6002	3.6	128.7	0.5	23.5	4.0	71	50	46	
08-5000	8.095	15.0	14.2	10.7	2.7	0.22	0.78	664	0.5	0.5	1.80	1.60	5.5	14.7	338	12	37	39	1.6	14.2	14.5	0.5	3.4	114	0.7	0.7	5.0	3511	1.7	89.1	0.5	14.2	2.3	47	250	67	
08-5001	7.081	16.0	14.2	11.7	1.8	0.23	0.86	478	0.5	0.5	1.70	1.69	6.9	17.2	399	13	32	34	1.6	14.0	14.8	0.5	3.5	117	0.7	0.7	4.5	3347	1.6	86.7	1	14.2	2.3	63	230	62	
08-5002	6.082	13.0	12.6	13.7	6.9	0.20	0.72	490	0.5	0.5	1.40	1.45	7.0	18.3	342	13	32	36	1.6	14.0	14.8	0.5	3.5	117	0.7	0.7	4.5	3347	1.6	86.7	1	14.2	2.3	63	230	62	
08-5003	7.095	18.0	16.0	14.0	3.1	0.33	0.80	1078	0.5	0.5	1.60	1.59	7.1	17.2	212	19	37	41	1.6	15.9	16.8	0.5	3.8	97	0.5	0.7	6.0	3304	1.7	88.9	1	14.9	2.6	51	210	65	
08-5004	7.096																																				

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
08-5031	6.069	18.0	14.2	13.0	2.3	0.36	0.56	280	0.5	0.5	1.80	1.59	5.9	8.1	80	10	28	30	1.6	14.9	14.0	0.5	3.3	107	0.6	0.7	3.6	2863	1.3	765	1	9.6	2.7	39	320	42	
08-5032	5.110	23.0	16.3	24.0	7.0	0.42	0.83	935	1	0.5	1.60	1.41	9.0	26.6	1365	29	62	63	2.4	21.2	19.8	0.5	4.3	108	0.7	0.7	6.8	3732	1.8	1424	2	13.1	2.6	194	50	57	
08-5033	4.065	17.0	13.7	15.7	7.1	0.29	0.74	414	0.5	0.5	2.10	1.68	6.3	17.7	162	14	27	21	0.9	14.9	14.3	0.5	3.2	129	0.6	0.6	4.5	2989	1.4	92.2	0.5	10.4	2.0	51	170	45	
08-5034	5.466	17.0	13.6	13.3	3.3	0.32	0.71	557	0.5	0.5	1.90	1.83	6.0	20.5	224	17	30	25	1.9	19.4	18.7	0.5	3.5	140	0.3	0.7	4.5	2925	1.4	92.2	0.5	12.0	2.2	70	240	45	
08-5035	4.993	20.0	15.8	25.8	13.3	0.37	0.82	1412	2	0.5	1.40	1.29	9.0	35.4	551	27	46	47	1.6	18.7	18.6	0.5	4.0	87	0.6	0.6	6.7	3711	2.0	121.1	0.5	14.2	2.4	132	50	54	
08-5036	6.074	18.0	11.0	14.9	2.7	0.30	0.58	272	0.5	0.5	1.60	1.46	4.8	9.7	86	11	36	28	1.9	15.0	14.5	0.5	3.2	106	0.5	0.6	3.8	2327	1.3	830	2	7.8	2.6	40	210	39	
08-5037	6.078	18.0	14.2	13.8	2.9	0.29	0.65	584	0.5	0.5	1.80	1.58	5.3	20.5	333	18	29	30	1.7	14.9	15.3	0.5	3.7	100	0.5	0.6	5.4	2347	1.6	80.2	0.5	11.2	2.3	95	250	47	
08-5038	8.087	21.0	18.1	13.3	1.7	0.30	0.62	603	0.5	0.5	1.70	1.44	5.6	15.9	319	18	39	33	2.0	13.8	14.0	0.5	4.5	95	0.7	0.8	5.7	2189	1.7	72.6	0.5	14.1	2.4	46	310	54	
08-5039	8.074	17.0	16.1	15.5	5.8	0.25	0.58	489	0.5	0.5	1.30	1.32	5.5	22.2	253	17	33	29	1.7	10.8	11.6	0.5	3.3	92	0.6	0.6	5.0	2361	1.6	71.6	0.5	11.1	2.1	44	360	51	
08-5040	9.090	18.0	13.8	18.0	2.3	0.28	0.60	360	0.5	0.5	1.50	1.43	5.8	11.3	102	15	41	43	1.5	10.8	10.6	0.5	3.0	92	0.6	0.5	4.6	2513	1.4	59.6	0.5	9.4	2.1	45	250	54	
08-5042	9.077	22.0	15.7	9.3	1.4	0.33	0.52	602	0.5	0.5	1.60	1.46	5.5	14.7	352	23	29	28	2.0	11.9	11.9	0.5	4.4	102	0.6	0.7	4.6	2392	1.6	650	1	15.2	2.6	76	330	51	
08-5043	8.056	14.0	11.5	6.9	2.3	0.27	0.38	340	0.5	0.5	1.50	1.40	4.8	7.9	150	13	22	22	1.2	8.9	8.5	0.5	2.6	92	0.5	0.25	4.0	2110	1.2	51.1	0.5	9.6	1.8	29	300	46	
08-5044	11.101	22.0	16.7	19.3	3.6	0.36	0.68	596	0.5	0.5	1.80	1.53	6.7	15.8	432	43	47	46	1.5	14.6	13.5	0.5	3.7	93	0.7	0.7	8.7	2586	2.0	71.3	0.5	11.5	2.5	73	460	63	
08-5045	8.102	20.0	15.1	17.8	3.3	0.32	0.63	390	0.5	0.5	1.70	1.58	5.1	10.2	145	23	47	47	1.5	13.0	12.3	0.5	3.5	90	0.6	0.6	7.2	2067	1.6	58.8	1	9.6	2.2	57	320	54	
08-5046	9.084	17.0	14.6	15.1	2.9	0.29	0.59	442	0.5	0.5	1.80	1.59	5.1	11.8	217	18	41	38	1.7	12.9	12.1	0.5	3.3	94	0.7	0.5	6.2	2169	1.7	63.9	0.5	10.2	2.1	48	280	54	
08-5047	6.133	16.0	12.9	44.3	6.2	0.29	0.73	392	0.5	0.5	1.70	1.76	7.4	14.3	134	18	66	78	1.0	16.3	17.3	0.5	2.8	112	0.7	0.6	5.3	3674	1.6	115.0	1	9.5	1.8	53	290	60	
08-5048	8.081	14.0	12.9	17.4	4.7	0.22	0.52	325	0.5	0.5	1.50	1.57	5.6	8.7	204	16	38	37	1.1	9.0	10.0	0.5	2.8	94	0.6	0.5	5.0	2223	1.5	48.4	0.5	9.3	1.2	47	350	52	
08-5049	9.076	13.0	12.6	13.3	2.7	0.22	0.50	372	0.5	0.5	1.30	1.44	5.5	7.2	84	14	34	33	1.1	7.8	8.9	0.5	2.4	87	0.6	0.25	4.0	2421	1.4	48.1	0.5	8.2	1.7	36	330	53	
08-5050	8.085	15.0	14.5	15.8	3.4	0.25	0.59	474	0.5	0.5	1.40	1.54	6.6	9.4	204	13	38	44	1.5	10.0	10.9	0.5	2.8	95	0.7	0.25	4.5	2881	1.6	67.9	1	9.4	1.9	52	350	55	
08-5051	7.114	19.0	16.9	12.9	2.2	0.37	1.09	811	0.5	0.5	2.00	1.82	7.1	22.1	405	13	45	43	2.2	19.0	18.6	0.5	4.2	141	0.5	0.8	5.4	3674	1.5	112.2	0.5	18.4	3.0	75	240	71	
08-5052	10.088	15.0	12.0	16.4	4.3	0.30	0.57	312	0.5	0.5	1.40	1.27	6.4	10.8	169	13	39	43	1.5	10.6	10.1	0.5	2.4	86	0.6	0.25	4.3	2905	1.5	57.5	0.5	8.5	2.1	40	300	56	
08-5053	8.109	21.0	16.5	18.0	4.1	0.33	0.77	563	0.5	0.5	1.50	1.34	7.4	18.8	331	20	46	49	2.1	15.1	14.0	0.5	3.6	87	0.6	0.6	6.6	3191	1.7	80.7	2	11.5	2.6	60	350	59	
08-5054	10.108	28.0	22.3	18.1	3.0	0.37	0.72	523	0.5	0.5	1.60	1.38	7.3	18.4	431	20	48	42	2.1	14.5	13.3	0.5	4.9	90	0.7	0.8	6.7	2911	1.8	78.9	1	14.8	2.9	53	330	59	
08-5055	7.101	21.0	16.3	47.9	11.2	0.29	0.61	480	0.5	1.7	1.00	0.97	8.6	34.7	336	14	59	65	1.7	12.5	12.6	0.5	3.5	69	0.8	0.6	5.9	3384	2.2	112.0	0.5	10.7	2.5	94	220	64	
08-5056	8.080	24.0	15.2	18.8	6.0	0.34	0.64	823	0.5	1.0	1.30	1.15	6.4	44.6	308	22	51	49	1.6	12.0	11.7	0.5	4.1	67	0.7	0.6	6.8	2426	2.1	77.7	0.5	11.5	2.1	77	310	57	
08-5057	8.094	17.0	15.0	16.0	4.0	0.26	0.60	356	0.5	0.5	1.20	1.13	8.2	16.5	121	14	55	49	1.9	11.4	11.8	0.5	2.9	78	0.8	0.25	5.7	3390	1.6	86.6	0.5	9.4	1.9	47	50	60	
08-5058	10.129	27.0	21.8	18.5	1.8	0.44	0.80	438	0.5	0.5	1.50	1.52	9.0	23.0	466	18	56	53	2.6	16.1	16.6	0.5	5.5	106	0.8	1.0	7.2	4014	2.0	95.1	1	18.9	3.0	63	330	81	
08-5059	10.095	21.0	19.0	12.5	2.7	0.33	0.76	839	0.5	0.5	1.40	1.32	7.8	19.6	270	16	38	39	1.7	14.1	14.6	0.5	4.3	93	0.6	0.8	6.5	3306	2.0	98.8	0.5	15.8	2.7	50	330	64	
08-5060	10.069	12.0	10.9	10.4	2.1	0.28	0.49	366	0.5	0.5	1.50	1.49	6.0	7.4	153	9	27	25	1.2	10.0	9.5	0.5	3.3	101	0.6	0.6	4.3	3210	1.9	78.0	0.5	15.2	2.4	43	340	60	
08-5062	9.090	17.0	15.8	15.1	5.8	0.30	0.62	643	0.5	0.5	1.30	1.30	8.3	12.6	361	14	40	40	1.5	13.3	13.4	0.5	4.2	97	0.6	0.7	5.0	3082	1.5	78.7	0.5	16.3	2.8	42	340	63	
08-5063	9.084	19.0	16.7	11.4	2.2	0.36	0.64	656	0.5	0.5	1.50	1.42	7.2	14.8	245	11	44	31	1.4	11.8	11.8	0.5	3.0	91	0.6	0.25	5.1	2944	1.5	71.6	0.5	11.8	2.2	36	390	63	
08-5064	10.034	15.0	13.6	9.6	2.3	0.25	0.57	583	0.5	0.5	1.40	1.34	6.9	12.0	206	10	37	31	1.4	11.8	11.8	0.5	4.0	81	0.5	0.6	4.3	2209	1.4	51.6	0.5	16.9	2.2	25	380	55	
08-5065	11.115	23.0	20.3	9.1	1.8	0.41	0.52	501	0.5	0.5	1.50	1.47	7.2	11.0	229	12	48	43	1.3	10.6	10.7	0.5	5.3	83	0.7	0.9	6.1	2830	1.8	61.4	0.5	19.0	2.7	38	380	71	
08-5066	10.112	19.0	18.3	11.4	1.7	0.41	0.62	611	0.5	0.5	1.50	1.47	7.5	12.4	305	13	48	45	1.3	10.6	10.9	0.5	4.5	89	0.6	0.8	6.0	2916	1.6	68.7	1	17.9	2.8	43	300	72	
08-5067	14.068	12.0	11.6	6.5	3.0	0.26	0.41	351	0.5	0.5	1.30	1.21	6.4	4.7	185	12	31	28	0.9	7.6	7.8	0.5	2.4	84	0.6	0.25	4.0	2774	1.6	51.2	0.5	10.1	1.9	26	570	66	
08-5068	10.103	17.0	14.2	9.5	2.4	0.31	0.50	610	0.5	0.5	1.40	1.38	6.8	9.6	259	13	46	43	1.2	10.0	9.9	0.5	3.2	82	0.7	0.6	6.3	2601	1.7	60.2	0.5	11.8	1.9	32	360	68	
08-5069	6.103	25.0	19.7	20.9	3.8	0.32	0.99	587	0.5	0.5	1.50	1.42	6.5	7.3	298	11	38	35	1.0	8.2	8.3	0.5	3.2	82	0.7	0.6	6.0	2567	1.7	59.0	0.5	12.9	2.2	30	400	66	
08-5070	10.075	17.0	15.8	7.2	2.1	0.32	0.47	445	0.5	0.5	1.20	1.25	5.2	7.4	320	10	30	28	1.0	9.1	9.7	0.5	4.0	81	0.5	0.6	4.3	2209	1.4	51.6	0.5	16.9	2.2	25	380	55	
08-5071	5.058																																				

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Lu1 pct	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm	
08-5098	6.093	18.0	12.7	10.2	2.4	0.36	0.68	836	0.5	0.5	1.50	1.38	5.9	18.5	541	29	29	28	2.5	17.4	18.0	0.5	4.7	90	0.6	0.9	4.6	2633	1.9	90.2	0.5	13.0	3.1	111	210	52
08-5099	7.092	22.0	15.2	10.5	2.3	0.50	0.62	744	0.5	0.5	1.70	1.53	5.1	11.5	449	26	29	28	2.4	18.0	18.5	0.5	5.4	107	0.6	1.1	5.0	2471	3.0	76.4	1	21.9	4.0	87	210	53
08-5100	6.086	20.0	13.0	8.7	2.4	0.45	0.55	765	0.5	0.5	1.40	1.36	6.1	13.4	594	32	22	23	4.7	18.5	19.2	0.5	5.7	130	0.6	1.0	4.8	2786	2.0	75.7	1	12.7	3.7	91	50	54
08-5102	7.079	18.0	12.7	9.1	2.2	0.37	0.60	540	0.5	0.5	1.70	1.58	5.8	9.9	412	32	28	24	2.1	15.0	15.0	0.5	3.9	107	0.6	0.7	5.0	2782	1.7	73.4	1	12.1	2.6	62	250	52
08-5103	6.103	24.0	16.8	12.2	1.8	0.43	0.71	685	0.5	0.5	1.60	1.59	7.1	12.5	626	16	36	32	2.3	15.4	16.2	0.5	5.1	128	0.8	1.0	6.5	2980	2.0	76.6	2	17.8	3.0	76	160	64
08-5104	8.072	17.0	13.8	11.7	2.6	0.32	0.60	451	0.5	0.5	1.50	1.51	5.5	9.7	188	12	31	25	1.6	12.0	13.1	0.5	3.8	110	0.7	0.8	4.8	2481	1.8	65.1	0.5	12.9	2.4	45	320	54
08-5105	8.094	22.0	15.7	12.4	3.2	0.37	0.70	769	0.5	0.5	1.70	1.45	6.0	12.2	442	30	38	33	2.4	15.1	15.5	0.5	4.8	99	0.6	0.9	6.8	2405	2.2	66.5	1	13.3	3.1	90	320	63
08-5106	5.083	29.0	18.5	13.2	3.2	0.54	0.87	1815	3	3.0	2.00	1.93	9.8	35.6	841	24	39	39	3.8	22.1	22.6	0.5	7.3	119	1.0	1.4	6.9	5794	3.6	156.5	2	21.9	4.4	118	220	63
08-5107	5.085	32.0	19.5	15.3	3.9	0.64	0.89	2010	7	4.8	1.90	1.81	10.6	34.2	907	27	40	42	4.4	25.1	25.7	0.5	9.1	114	0.9	1.8	6.4	6022	4.0	176.7	1	29.1	5.6	126	200	63
08-5108	4.075	24.0	12.9	17.6	4.1	0.47	0.80	1801	2	2.0	2.00	1.89	9.5	32.0	758	18	38	35	3.1	22.5	22.2	0.5	5.9	114	0.9	1.2	6.5	5268	3.3	143.5	0.5	16.1	3.9	129	230	57
08-5109	5.085	33.0	19.6	15.0	4.0	0.82	0.91	3065	13	9.2	1.90	1.77	11.9	59.4	1721	48	40	39	5.9	26.1	25.6	0.5	10.3	109	0.9	2.0	6.6	6529	5.6	212.0	2	29.6	6.1	182	250	63
08-5110	4.063	26.0	15.6	12.6	3.4	0.51	0.65	1718	4	3.1	2.00	1.90	9.1	28.7	755	21	32	32	3.6	22.3	22.5	0.5	7.2	120	0.8	1.5	6.0	5162	3.0	135.9	2	16.5	4.2	124	210	56
08-5111	4.086	25.0	15.4	17.1	4.0	0.54	0.95	1299	3	2.3	1.90	1.88	9.1	29.7	742	18	39	39	2.8	22.7	22.8	0.5	6.8	105	0.9	1.3	6.0	4988	3.1	168.1	2	18.5	4.4	118	230	58
08-5112	4.091	22.0	19.6	20.3	4.3	0.42	0.83	667	3	2.8	1.70	1.85	8.6	13.8	242	18	45	47	1.2	17.1	18.2	0.5	4.4	105	0.8	0.9	5.0	5172	2.5	177.1	2	10.7	3.0	98	50	57
08-5113	5.094	28.0	24.1	17.6	3.8	0.49	0.76	2835	5	3.3	1.90	1.87	8.3	37.0	781	18	42	40	2.6	20.5	21.1	0.5	7.2	121	0.9	1.5	6.7	4682	4.8	144.2	2	20.4	4.0	119	220	57
08-5114	4.103	21.0	19.0	17.1	5.5	0.36	0.82	3158	3	2.0	1.80	1.82	7.3	23.1	565	22	42	45	2.2	17.8	19.4	0.5	5.0	106	0.7	0.9	5.6	3903	3.0	160.1	0.5	14.0	2.9	98	50	55
08-5115	3.089	19.0	16.4	17.3	9.0	0.34	0.76	1963	0.5	1.9	1.60	1.81	7.2	20.3	702	20	41	44	1.7	17.2	19.8	0.5	4.5	120	0.6	0.9	4.7	4056	2.5	141.8	0.5	14.6	2.9	92	50	52
08-5116	4.071	21.0	16.3	11.8	3.3	0.44	0.71	1635	2	1.4	1.90	1.94	8.6	23.4	525	16	31	28	2.5	19.6	19.9	0.5	5.8	116	0.7	1.2	5.5	4504	2.4	109.2	2	15.0	3.6	103	160	57
08-5117	4.063	20.0	17.8	10.3	4.4	0.42	0.86	1126	0.5	1.1	2.30	2.24	7.1	18.9	491	17	22	25	2.1	20.5	21.5	0.5	5.3	125	0.6	1.1	4.5	4491	1.9	132.0	1	16.7	3.6	77	50	54
08-5118	5.081	22.0	17.9	11.6	2.6	0.42	0.98	881	0.5	0.5	2.20	2.14	7.0	19.4	500	8	32	30	1.5	17.9	17.9	0.5	5.1	119	0.6	1.0	4.7	4160	2.1	125.4	0.5	14.5	3.5	71	180	52
08-5119	14.177	52.0	32.2	19.5	2.9	0.70	0.55	824	0.5	0.5	2.10	1.94	12.9	8.1	196	17	91	80	1.0	11.2	11.1	0.5	9.2	110	1.8	1.5	23.8	4515	5.3	62.7	14	20.1	4.5	34	390	83
08-5120	12.162	37.0	23.3	22.0	3.5	0.53	0.68	776	0.5	1.7	1.60	1.86	12.1	15.6	335	15	77	75	0.9	12.7	12.4	0.5	7.1	109	1.4	1.2	14.1	3906	3.4	66.8	2	14.0	3.8	48	320	56
08-5121	15.144	64.0	43.6	42.9	9.8	0.87	0.70	1140	2	1.7	1.60	1.69	15.1	13.2	1309	13	60	67	0.5	16.4	16.9	0.5	14.3	115	1.4	2.5	22.4	4985	10.0	70.0	0.5	38.6	6.0	51	470	61
08-5122	12.167	41.0	29.7	33.9	3.9	0.62	0.94	884	0.5	0.5	1.80	1.77	13.7	24.2	270	21	82	85	1.1	16.3	16.7	0.5	8.4	105	1.7	1.4	17.7	4862	4.0	93.3	3	18.4	4.5	59	360	67
08-5123	11.166	42.0	31.5	20.6	1.5	0.61	0.80	1104	0.5	0.5	1.90	1.91	11.4	18.3	706	14	93	87	1.3	13.5	14.0	0.5	8.9	114	1.6	1.6	15.7	4452	3.6	81.6	4	20.1	4.8	47	430	60
08-5124	14.152	37.0	27.2	13.8	1.5	0.62	0.79	973	0.5	0.5	2.40	1.93	10.7	17.8	934	13	83	75	1.3	14.8	13.1	0.5	7.5	116	1.5	1.4	12.7	4203	3.1	77.7	2	20.6	4.3	39	470	72
08-5125	11.188	45.0	33.7	25.4	3.1	0.58	1.20	1462	0.5	0.5	1.90	1.79	13.3	31.5	276	15	95	95	0.8	15.9	15.9	0.5	7.1	111	1.8	1.1	21.2	4532	3.9	92.0	3	16.8	3.8	71	340	66
08-5126	12.208	50.0	36.8	31.0	2.4	0.71	1.08	886	0.5	0.5	1.90	1.79	14.8	27.8	192	16	110	105	0.8	18.4	18.3	0.5	9.0	108	1.7	1.5	17.9	4908	4.2	97.2	2	16.2	4.9	60	360	53
08-5128	11.139	32.0	19.9	11.2	2.5	0.61	0.58	885	0.5	0.5	2.20	1.93	9.7	12.1	416	13	75	61	1.7	12.5	11.6	0.5	6.8	87	1.6	1.2	12.6	3908	2.9	64.6	2	16.1	4.4	37	380	68
08-5129	11.146	32.0	22.1	9.3	1.6	0.62	0.52	752	0.5	0.5	2.20	2.05	10.5	11.4	289	11	75	69	1.7	11.2	10.4	0.5	6.5	82	1.2	1.2	12.2	3322	2.9	59.2	1	14.6	4.6	33	300	74
08-5130	11.138	34.0	22.2	8.3	0.8	0.61	0.49	1043	0.5	0.5	2.30	2.08	9.8	9.0	592	12	71	63	1.8	11.2	10.4	0.5	7.0	96	1.6	1.3	10.8	3902	3.0	60.5	3	19.2	4.8	31	370	77
08-5131	13.141	36.0	25.7	11.0	1.1	0.63	0.59	1226	0.5	0.5	2.10	1.94	11.6	12.5	665	17	76	74	2.9	13.2	12.5	0.5	8.1	92	1.7	1.4	11.8	4549	3.6	68.1	4	21.0	4.8	45	420	75
08-5132	11.138	41.0	32.9	18.1	2.0	0.47	0.67	785	0.5	0.5	2.00	1.82	10.4	14.1	457	16	78	74	2.6	15.0	14.9	0.5	8.9	95	1.3	1.6	11.7	4139	5.6	77.1	5	29.6	4.2	48	490	75
08-5133	8.117	28.0	22.2	15.1	3.2	0.49	0.80	1438	2	1.1	2.20	1.85	9.3	22.4	595	16	68	64	2.5	19.1	18.1	0.5	7.2	102	1.0	1.4	12.0	4149	9.0	101.4	4	19.3	3.7	60	310	67
08-5134	8.168	43.0	30.7	14.0	5.8	0.51	0.96	664	2	2.5	1.60	1.55	12.6	20.6	665	22	88	100	2.2	16.4	16.8	0.5	9.2	78	1.2	1.6	14.9	4991	5.9	117.3	4	21.1	4.1	71	330	83
08-5135	9.113	33.0	22.0	13.4	2.3	0.53	0.76	906	0.5	0.5	2.10	1.84	9.7	18.1	493	12	58	58	3.2	18.4	16.9	0.5	6.8	98	1.2	1.3	10.0	4239	2.9	89.5	2	15.1	3.8	51	380	73
08-5136	10.119	47.0	36.5	41.3	3.7	0.74	0.81	1707	2	1.6	1.70	1.62	10.6	28.5	906	25	66	68	4.4	21.4	21.0	0.5	10.0	102	1.1	1.8	12.0	4432	10.0	102.1	2	39.7	5.6	105	390	72
08-5137	14.138	33.0	20.0	11.6	1.0	0.65	0.55	1359	0.5	0.5	2.20	1.91	9.6	16.2	638	19	68	64	3.2	15.1	13.4	0.5	7.7	96	1.3	1.4	10.0	3819								

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Lu1 pct	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm	
08-5166	9.083	26.0	15.6	10.9	2.2	0.33	0.58	732	0.5	0.5	1.50	1.34	5.5	14.2	439	19	37	34	1.4	10.6	10.7	0.5	3.9	87	0.8	0.7	5.9	2234	1.8	60.5	1	12.6	2.1	40	320	60
08-5167	5.093	26.0	21.6	13.1	2.4	0.43	0.98	1386	0.5	0.5	1.90	1.91	7.8	28.5	541	51	33	35	3.2	20.7	22.7	0.5	5.8	115	0.8	1.0	5.7	3536	1.7	143.2	2	17.2	3.5	76	190	62
08-5168	4.063	19.0	14.6	13.7	7.3	0.38	0.86	549	0.5	0.5	1.70	1.76	7.3	28.8	486	9	24	27	2.8	18.4	20.4	0.5	4.3	103	0.6	0.8	5.1	3224	1.6	133.6	1	11.5	2.5	75	50	53
08-5169	5.068	23.0	18.5	10.4	2.7	0.42	0.94	1447	0.5	0.5	2.10	2.04	7.7	30.1	690	13	25	24	2.4	20.8	21.5	0.5	5.7	125	0.7	1.2	5.3	3874	1.8	144.7	0.5	16.5	3.3	71	250	56
08-5170	4.092	26.0	21.4	16.2	2.5	0.48	0.98	751	0.5	0.5	1.90	1.96	7.8	28.2	691	11	42	38	3.2	18.6	21.1	0.5	6.1	114	0.9	1.0	6.0	3457	4.3	136.1	1	16.5	3.3	70	50	61
08-5171	5.064	22.0	15.5	9.8	2.4	0.40	0.81	1119	0.5	0.5	2.10	2.17	7.4	22.4	600	12	27	20	2.3	17.5	18.9	0.5	5.7	127	0.8	1.1	5.1	4009	2.0	121.6	0.5	17.3	3.4	66	170	57
08-5172	5.072	22.0	17.8	10.5	3.5	0.41	0.88	1847	0.5	0.5	2.20	2.18	8.6	30.2	714	17	28	22	2.1	19.4	19.6	0.5	5.5	129	0.7	1.1	5.4	4899	2.0	138.6	1	18.0	3.7	77	170	60
08-5173	6.069	24.0	15.9	10.8	1.7	0.44	0.86	1435	0.5	0.5	2.30	2.23	7.2	21.4	615	10	28	24	3.5	18.0	18.4	0.5	5.5	123	0.8	1.1	5.4	3969	2.2	121.9	2	16.2	3.3	65	190	61
08-5174	6.085	24.0	18.2	19.6	5.2	0.39	0.76	825	0.5	0.5	1.90	1.96	7.4	25.7	446	9	37	37	3.3	15.4	15.7	0.5	5.1	89	0.7	1.0	6.3	3455	1.8	111.8	1	11.0	2.8	67	200	66
08-5175	6.069	22.0	16.5	11.5	2.2	0.42	0.82	681	0.5	0.5	2.40	2.38	7.4	18.7	299	10	26	23	2.3	18.0	17.2	0.5	4.8	123	0.8	0.9	5.4	4322	1.8	122.3	2	12.1	3.1	52	210	65
08-5176	5.048	16.0	11.5	9.0	3.7	0.37	0.69	381	0.5	0.5	2.30	2.51	5.5	9.9	150	6	17	16	1.0	15.9	16.1	0.5	3.7	119	0.5	0.8	3.1	4224	1.3	127.9	1	9.1	3.0	35	160	55
08-5177	5.057	20.0	16.1	9.3	3.5	0.41	0.91	877	0.5	0.5	2.50	2.47	7.9	21.3	379	9	24	19	1.3	19.6	19.6	0.5	4.8	130	0.7	1.0	5.1	4528	1.9	131.6	2	15.2	3.4	53	170	61
08-5178	5.050	21.0	18.1	7.4	2.0	0.46	0.78	920	0.5	0.5	2.60	2.54	7.3	18.2	566	7	18	16	1.7	18.8	18.8	0.5	5.3	125	0.6	1.1	4.6	4291	1.5	120.7	0.5	15.0	3.4	50	250	64
08-5179	5.037	15.0	12.8	6.6	3.0	0.43	0.96	683	0.5	0.5	2.70	2.87	6.5	13.7	225	4	14	11	1.0	19.8	20.1	0.5	4.1	141	0.6	0.9	3.8	4335	1.2	141.2	0.5	14.2	3.2	41	180	63
08-5180	4.086	24.0	21.6	12.4	2.8	0.44	0.90	1603	2	1.7	2.00	1.89	10.2	30.5	674	20	36	32	2.5	21.8	23.2	0.5	7.0	133	0.9	1.3	5.5	5685	2.7	146.8	1	24.8	3.3	79	240	60
08-5181	5.121	26.0	22.8	16.4	2.5	0.48	0.95	1391	2	0.5	1.80	1.73	10.2	29.0	779	17	48	44	2.0	20.4	20.4	0.5	6.0	123	0.7	1.2	6.1	5258	2.9	147.8	1	21.7	3.7	92	50	65
08-5183	5.089	26.0	21.2	12.1	2.0	0.51	0.80	1465	2	1.4	2.10	1.90	10.0	25.2	876	19	32	38	2.0	20.9	20.4	0.5	6.5	141	0.8	1.2	5.3	5959	2.8	133.3	1	22.8	3.8	89	50	63
08-5184	5.101	23.0	18.3	15.0	5.3	0.49	0.92	1438	3	1.6	1.90	1.78	10.1	24.8	666	21	35	43	1.9	21.5	21.0	0.5	5.3	134	0.8	1.0	5.2	5867	2.7	152.7	0.5	19.6	3.6	82	50	62
08-5185	4.091	20.0	16.6	14.8	5.6	0.52	1.01	2000	3	1.9	1.80	1.64	11.5	33.7	827	16	29	37	2.2	26.4	25.7	0.5	5.2	144	0.8	1.0	4.4	7243	2.7	180.2	0.5	22.1	3.9	91	50	59
08-5186	5.083	23.0	15.2	22.3	5.6	0.49	0.72	957	3	2.5	1.80	1.73	10.9	14.6	394	11	45	50	1.0	18.7	18.4	0.5	4.7	129	1.1	0.8	5.3	7688	2.9	183.6	1	14.8	3.3	77	50	73
08-5187	5.126	29.0	21.3	23.6	4.3	0.52	1.04	2126	4	3.2	1.60	1.48	11.8	50.1	685	21	53	63	2.3	22.4	22.9	0.5	6.3	100	1.0	1.0	7.6	5849	4.9	173.6	1	17.8	4.0	135	50	74
08-5188	5.124	31.0	22.6	19.3	3.5	0.35	0.89	1059	4	3.2	1.60	1.44	11.1	25.0	755	22	59	65	2.7	17.4	17.1	0.5	5.4	89	1.0	1.1	8.3	5107	3.8	150.7	1	12.4	3.1	92	50	68
08-5189	4.108	25.0	20.7	21.8	6.0	0.26	0.85	1420	5	3.9	1.40	1.39	10.2	31.7	631	26	47	57	3.0	14.7	16.8	0.5	4.8	81	0.9	0.9	8.4	4274	5.0	141.7	2	10.4	3.1	92	50	67
08-5190	4.094	22.0	14.0	21.0	5.1	0.35	0.79	781	2	2.0	1.50	1.51	8.9	24.8	459	14	44	50	1.6	15.4	16.9	0.5	4.7	90	0.7	0.8	6.4	3858	2.9	117.8	1	12.9	2.9	98	50	58
08-5191	6.109	29.0	22.7	19.5	2.4	0.42	0.81	811	2	1.8	1.80	1.61	9.2	32.1	640	20	48	46	2.2	16.7	15.8	0.5	5.7	105	1.0	1.0	7.0	4302	3.8	120.8	1	16.4	3.5	102	220	62
08-5192	5.111	29.0	20.7	17.4	2.5	0.44	0.87	2066	2	1.8	1.80	1.57	9.6	33.1	738	25	42	49	2.3	19.5	18.2	0.5	5.8	93	0.8	1.0	7.3	4193	3.9	123.6	1	13.7	3.8	96	200	63
08-5193	5.141	33.0	18.5	38.7	6.4	0.43	1.03	1212	8	6.5	1.40	1.29	10.3	22.4	484	18	67	77	2.1	16.8	16.1	0.5	5.2	74	1.2	0.8	7.5	4718	3.7	172.5	2	12.2	3.3	81	260	72
08-5194	5.127	33.0	21.4	19.7	3.0	0.49	0.88	1415	6	4.6	1.80	1.55	10.5	32.6	875	24	52	58	2.4	18.3	17.1	0.5	6.3	97	1.0	1.0	8.2	4578	4.7	136.8	2	16.6	4.0	103	180	65
08-5195	6.122	34.0	18.0	30.3	3.8	0.46	0.73	1100	1	1.3	1.80	1.54	9.5	15.1	233	8	62	70	1.0	16.9	15.3	0.5	5.7	107	1.1	1.0	7.1	5459	3.2	132.3	1	13.0	3.8	78	200	66
08-5196	5.130	33.0	22.6	23.1	3.7	0.47	1.03	1850	3	2.6	1.60	1.46	10.8	34.1	709	25	55	60	2.3	21.4	20.4	0.5	6.2	91	0.8	1.2	7.8	4898	3.9	155.5	1	17.3	3.8	113	200	67
08-5197	5.103	28.0	13.0	16.4	5.6	0.43	0.89	679	3	2.2	1.50	1.59	11.3	37.2	847	22	54	57	1.5	18.3	14.2	0.5	4.5	34	1.1	0.8	7.2	2057	3.2	134.8	2	7.6	3.3	66	50	37
08-5198	5.121	36.0	24.3	18.4	2.6	0.49	0.92	2201	3	2.2	1.80	1.59	11.1	37.2	847	22	54	54	2.5	19.7	18.7	0.5	7.3	107	1.1	1.3	7.4	6013	3.8	154.3	2	23.2	4.0	100	50	69
08-5199	5.110	24.0	20.0	20.7	3.8	0.30	0.90	1081	3	1.9	1.60	1.57	10.2	17.9	303	11	49	52	1.3	14.8	15.7	0.5	5.2	112	1.0	1.0	6.2	6077	3.0	148.6	1	14.9	2.3	68	50	63
08-5201	5.161	29.0	15.3	14.1	5.0	0.40	0.77	1319	5	0.5	1.40	1.23	7.8	22.2	870	23	70	75	2.3	19.0	18.5	0.5	5.1	84	0.5	0.9	8.2	2768	2.5	129.8	2	10.9	3.3	124	50	73
08-5202	4.102	25.0	15.4	13.4	4.5	0.34	0.78	1095	0.5	0.5	1.70	1.50	7.5	24.0	737	15	42	42	3.4	21.0	19.9	0.5	5.1	98	0.6	0.9	5.6	2965	1.8	136.8	2	9.0	3.4	111	50	53
08-5203	4.099	24.0	13.3	15.0	4.1	0.43	0.94	1266	0.5	0.5	1.70	1.57	7.1	25.9	674	19	42	45	2.4	20.6	20.3	0.5	5.0	97	0.6	0.9	5.8	2846	2.1	140.4	2	11.2	3.5	102	50	60
08-5204	4.093	20.0	13.0	13.5	8.1	0.44	0.71	1619	0.5	0.5	1.80	1.65	7.7	18.4	699	14	33	38	1.6	18.6	17.3	0.5	4.5	110	0.5	1.0	3.8	3191	1.6	148.0	1	12.2	3.5	82	50	49
08-5205	4.072	19.0	11.9	14.9	15.9	0.34	0.62	625	0.5	0.5	1.40	1.25	8.6	21.2	1091	25	33	40	2.2	17.8	17.4	0.5	3.6	79	0.4	0.7	4.8	2892	1.8	139.6	1	9.7	2.8	123	50	48
08-5206	4.183	25.0	1																																	

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
08-5233	4.081	20.0	11.5	14.8	6.6	0.40	0.68	640	1	1.3	1.70	1.70	7.6	12.0	399	10	38	43	1.2	17.2	17.8	0.5	4.3	98	0.6	0.8	4.9	4413	2.3	154.4	1	11.6	3.1	60	50	56	
08-5234	3.102	20.0	13.3	11.0	8.2	0.38	0.51	1063	2	2.3	1.60	1.71	7.2	6.5	412	12	51	59	0.9	15.8	17.6	0.5	4.2	103	0.8	0.8	4.9	4498	2.3	163.9	1	9.6	2.8	41	50	56	
08-5235	4.097	19.0	13.0	23.8	7.6	0.37	0.79	989	2	2.3	1.60	1.70	8.0	13.1	539	15	57	69	1.1	16.9	19.2	0.5	3.9	89	0.8	0.7	5.4	4585	3.1	192.8	1	10.1	2.9	95	50	60	
08-5236	5.097	26.0	22.1	15.8	3.1	0.59	1.00	1681	2	2.1	1.90	1.84	10.0	34.5	777	19	33	41	2.7	20.6	21.9	0.5	7.3	101	0.8	1.4	5.7	4785	3.2	164.9	2	24.8	4.1	118	230	62	
08-5237	5.067	21.0	18.6	10.6	2.9	0.47	0.78	1370	2	2.1	2.40	2.25	8.2	28.1	762	22	26	20	2.2	17.7	17.9	0.5	5.5	111	0.6	1.1	5.3	3803	2.8	110.9	1	17.2	3.3	105	190	53	
08-5238	5.078	17.0	14.6	13.3	4.8	0.47	0.77	1112	2	1.7	2.00	2.13	8.3	16.4	427	15	29	30	1.4	17.3	19.0	0.5	4.5	121	0.7	0.9	4.2	5180	2.6	166.0	1	17.1	3.4	61	180	54	
08-5239	4.068	19.0	16.5	12.7	5.1	0.49	0.82	658	1	1.2	2.10	2.17	7.5	16.4	450	10	25	27	1.1	17.3	18.0	0.5	5.0	114	0.6	1.1	3.9	4778	1.9	135.3	0.5	17.9	3.6	69	210	51	
08-5240	3.062	13.0	11.0	12.7	4.7	0.42	2.79	1667	0.5	0.5	1.40	1.41	10.3	26.4	746	10	32	31	2.2	14.2	49.1	0.5	4.4	87	0.3	0.9	2.8	6087	1.3	444.2	0.5	22.5	3.1	125	50	62	
08-5242	5.092	23.0	19.7	15.9	4.3	0.54	1.00	1633	4	3.3	1.90	1.81	11.3	38.3	842	24	36	37	2.4	21.2	21.5	0.5	5.6	104	0.8	1.2	5.9	5415	4.0	169.4	1	21.3	3.8	135	180	63	
08-5243	4.089	23.0	19.6	18.3	10.2	0.52	0.94	5960	8	6.0	1.70	1.67	10.8	34.8	931	32	41	42	2.1	19.8	21.2	0.5	5.6	101	0.6	1.0	5.2	5066	3.4	180.2	1	22.5	3.8	149	50	64	
08-5244	5.102	25.0	20.7	16.4	3.4	0.44	0.86	1206	1	1.5	1.80	1.65	9.7	25.2	475	16	45	44	1.9	19.1	19.5	0.5	5.0	115	0.8	1.1	6.5	4925	2.7	134.3	1	15.6	3.1	80	50	63	
08-5245	5.098	22.0	19.0	15.4	3.7	0.40	0.80	1201	2	1.4	1.80	1.71	9.0	24.4	455	17	41	37	1.9	15.9	16.6	0.5	5.5	114	0.9	0.9	6.1	4653	3.0	121.0	1	14.6	2.6	84	50	59	
08-5246	4.069	16.0	14.0	12.7	5.8	0.34	0.95	735	0.5	0.5	2.10	2.06	7.2	17.9	304	7	30	30	0.8	18.5	19.9	0.5	4.1	138	0.6	0.8	4.7	4223	1.6	128.0	0.5	14.1	2.4	62	50	55	
08-5247	5.067	18.0	14.8	10.9	3.5	0.38	0.99	977	0.5	0.5	2.20	2.27	7.3	19.7	399	8	28	25	1.0	17.9	19.2	0.5	4.4	147	0.6	0.9	4.1	4884	2.1	134.4	0.5	16.3	3.0	96	190	56	
08-5248	5.074	19.0	15.9	11.7	3.9	0.42	1.05	812	0.5	0.5	2.20	2.12	7.8	25.0	324	11	30	26	1.2	20.4	21.1	0.5	4.6	128	0.5	0.9	5.6	4170	1.9	135.5	0.5	15.2	3.2	67	180	58	
08-5249	4.062	17.0	12.4	11.0	6.8	0.37	1.01	637	0.5	0.5	2.10	2.08	7.4	24.3	358	7	23	22	1.0	19.2	19.7	0.5	3.9	127	0.5	0.8	4.8	4056	1.6	132.5	0.5	13.3	2.7	61	230	53	
08-5250	4.078	18.0	14.0	15.8	10.9	0.43	0.86	663	0.5	0.5	1.70	1.67	8.0	29.1	675	14	27	30	1.3	17.4	17.8	0.5	4.2	114	0.7	0.9	4.6	4118	1.8	124.9	1	15.5	3.0	100	210	54	
08-5251	5.093	21.0	17.2	12.0	2.8	0.45	1.02	1460	0.5	0.5	2.20	2.07	8.7	29.6	662	19	37	32	1.8	21.1	20.5	0.5	5.1	132	0.7	1.0	5.5	4851	2.1	136.1	1	16.6	3.4	85	210	62	
08-5252	6.079	17.0	14.2	15.9	5.5	0.33	0.70	659	0.5	0.5	1.50	1.44	7.1	21.9	343	19	36	34	1.5	13.6	14.0	0.5	3.4	106	0.6	0.7	5.9	2974	1.8	85.4	0.5	10.7	2.2	81	220	58	
08-5253	6.090	25.0	18.7	13.5	2.5	0.37	0.76	763	0.5	0.5	1.70	1.57	8.1	24.4	496	31	36	33	2.1	15.5	15.1	0.5	4.8	114	0.7	0.9	6.7	3390	2.2	88.8	0.5	12.9	2.8	85	50	64	
08-5254	6.101	23.0	19.4	15.4	2.5	0.40	0.84	671	0.5	0.5	1.60	1.48	7.6	25.4	364	17	41	38	1.9	16.2	16.6	0.5	4.9	108	0.8	0.9	6.7	3291	2.1	95.6	1	12.6	2.8	65	50	64	
08-5255	6.108	20.0	17.1	14.5	3.1	0.38	0.87	735	0.5	0.5	1.50	1.41	8.1	23.3	451	26	47	39	2.1	15.7	17.0	0.5	4.3	103	0.6	0.8	6.2	3252	2.1	94.5	1	12.4	2.7	93	260	65	
08-5256	6.092	21.0	16.1	14.9	2.6	0.37	0.76	583	1	0.5	1.90	1.51	7.3	26.8	436	22	37	33	2.0	17.7	16.6	0.5	4.3	108	0.6	0.8	5.5	3009	2.4	89.4	1	12.3	2.9	78	280	61	
08-5257	5.074	16.0	13.2	15.7	7.5	0.27	0.60	348	0.5	0.5	1.50	1.49	6.1	12.2	232	9	30	27	0.9	11.4	11.3	0.5	2.8	107	0.4	0.5	5.0	2804	1.8	68.5	0.5	8.5	2.1	48	150	54	
08-5258	5.081	17.0	15.7	16.4	4.9	0.30	0.61	381	0.5	0.5	1.60	1.54	6.5	17.8	313	16	34	29	1.1	14.2	14.6	0.5	3.3	113	0.6	0.6	4.9	2845	1.7	80.8	0.5	10.9	2.2	83	180	54	
08-5259	6.071	17.0	14.0	11.5	2.9	0.34	0.62	431	0.5	0.5	1.70	1.59	6.6	18.4	230	17	24	21	1.5	13.5	13.2	0.5	3.2	120	0.5	0.6	4.9	2914	1.9	78.9	0.5	10.8	2.2	56	190	58	
08-5260	6.079	19.0	16.7	14.1	5.1	0.33	0.69	404	0.5	0.5	1.60	1.49	7.1	19.2	326	16	30	29	1.3	13.3	13.2	0.5	3.5	110	0.6	0.6	5.1	3142	1.5	81.1	1	10.4	2.1	61	150	56	
08-5262	5.083	19.0	14.1	14.5	6.1	0.36	0.63	439	0.5	0.5	1.60	1.48	6.0	18.9	338	13	25	23	1.4	14.5	13.8	0.5	3.6	101	0.6	0.6	5.3	2693	1.8	76.1	0.5	10.2	2.4	64	220	54	
08-5263	5.071	17.0	12.9	21.5	7.2	0.31	0.63	502	1	0.5	1.30	1.28	7.8	21.9	221	23	30	31	1.8	15.6	15.5	0.5	3.0	90	0.6	0.5	5.3	2729	1.9	101.4	1	9.0	2.6	90	50	52	
08-5264	6.106	21.0	17.5	14.8	2.3	0.47	0.75	1638	0.5	0.5	1.60	1.46	6.3	15.7	499	20	26	29	1.8	18.1	19.1	0.5	5.4	113	0.6	1.0	5.4	2824	2.2	86.4	2	20.0	3.4	79	180	59	
08-5265	6.098	16.0	13.5	11.8	3.3	0.39	0.71	811	0.5	0.5	1.70	1.45	6.2	15.2	505	20	31	26	1.9	16.0	16.5	0.5	3.7	102	0.6	0.7	4.9	2624	1.9	85.5	1	11.8	2.3	81	240	58	
08-5266	4.074	13.0	9.5	18.0	18.8	0.28	0.56	442	0.5	0.5	1.00	1.03	6.2	19.2	358	38	25	23	1.3	14.0	15.0	0.5	2.8	71	0.5	0.6	3.9	2370	1.6	76.6	0.5	9.7	2.1	134	50	45	
08-5267	4.054	20.0	14.9	7.6	6.1	0.41	0.95	580	0.5	0.5	2.70	2.75	5.7	19.1	695	8	19	18	0.9	20.9	20.3	0.5	5.2	122	0.6	1.0	4.7	4427	1.5	123.9	1	17.5	3.5	54	50	54	
08-5268	6.070	19.0	13.4	11.6	5.0	0.46	1.27	876	0.5	0.5	2.80	2.74	7.5	20.4	329	11	30	27	0.8	24.0	23.8	0.5	4.7	120	0.6	1.0	4.1	5720	2.2	170.3	0.5	17.3	3.6	67	50	46	
08-5269	5.064	20.0	13.6	9.1	3.7	0.47	1.10	723	0.5	0.5	2.90	2.80	6.6	22.9	541	8	21	18	0.9	23.9	22.7	0.5	5.2	132	0.5	1.0	4.0	5231	1.4	138.2	0.5	19.1	3.9	55	50	49	
08-5270	5.083	19.0	11.8	8.9	2.4	0.48	0.71	888	0.5	0.5	1.80	1.67	6.5	15.1	356	50	26	25	3.1	20.1	19.8	0.5	4.6	107	0.6	0.8	4.4	2496	1.5	95.8	0.5	15.5	3.5	50	50	49	
08-5272	5.084	16.0	9.6	8.4	3.1	0.36	0.61	366	0.5	0.5	1.60	1.44	5.3	9.0	222	14	29	23	2.0	14.9	14.6	0.5	3.1	114	0.5	0.6	4.1	2224	1.4	81.5	2	8.0	2.3	59	210	43	
08-5273	5.078	19.0	12.9	7.0	2.2	0.43	0.57	1020	0.5	0.5	1.60	1.44	5.9	13.5	366	24	25	17	2.7	18.7	18.5	0.5	4.7	106	0.4	1.0	4.4	2158	1.5	82.8	1	15.4					

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm	
08-5303	7.083	24.0	16.2	13.8	5.3	0.40	0.67	405	0.5	0.5	1.70	1.64	7.2	19.9	489	19	34	30	5.9	16.6	17.5	0.5	5.9	115	0.7	1.1	6.9	3712	2.4	121.1	2	11.1	2.8	78	260	63	
08-5304	5.076	19.0	15.9	10.0	2.6	0.43	0.81	1491	1	0.5	1.90	1.98	8.1	24.2	681	19	27	25	2.6	18.9	20.4	0.5	5.4	119	0.8	1.0	5.1	4384	2.3	128.5	1	14.5	3.0	90	270	55	
08-5305	7.079	25.0	17.4	13.3	3.0	0.43	0.71	787	0.5	0.5	1.70	1.68	7.0	21.2	422	14	36	33	5.4	16.7	18.2	0.5	5.7	104	0.7	1.0	6.7	3395	2.1	113.6	1	10.8	3.1	73	330	63	
08-5306	4.090	22.0	18.1	10.9	2.5	0.51	1.03	1688	1	0.5	2.40	2.21	8.1	26.8	689	17	33	30	2.2	21.4	20.6	0.5	5.4	120	0.5	1.0	4.8	3384	1.6	137.1	0.5	17.6	3.9	102	270	58	
08-5307	5.085	20.0	13.6	11.0	3.3	0.47	1.08	796	0.5	0.5	2.80	2.52	7.5	23.6	467	9	28	30	1.2	22.7	21.0	0.5	4.6	120	0.5	0.9	4.7	5016	1.9	145.3	1	15.6	3.4	66	180	52	
08-5308	6.076	18.0	12.5	14.2	2.8	0.50	1.16	1920	0.5	0.5	2.80	2.54	8.5	21.2	530	7	25	28	1.0	25.8	23.9	0.5	4.8	152	0.6	1.0	3.8	6836	1.7	164.0	0.5	20.0	4.0	77	200	49	
08-5309	4.066	23.0	16.1	28.0	8.0	0.45	0.65	709	2	2.6	2.00	1.93	7.7	13.9	565	15	28	31	1.0	48.9	19.5	0.5	5.3	118	0.6	1.0	4.7	4956	3.0	148.3	1	17.7	3.6	68	50	59	
08-5310	3.063	26.0	24.0	40.9	28.5	0.51	0.84	3738	5	3.9	1.10	1.04	12.3	43.3	4729	42	32	39	1.0	23.4	24.2	0.5	7.1	83	0.5	1.2	7.9	4591	3.2	206.0	0.5	27.7	3.5	212	50	66	
08-5311	4.076	20.0	17.4	11.4	5.2	0.39	1.12	732	0.5	0.5	2.40	2.41	8.2	21.9	566	13	30	31	1.1	19.7	20.5	0.5	4.5	115	0.4	0.7	5.3	5446	1.9	146.8	1	15.7	2.9	70	50	67	
08-5312	3.050	13.0	9.6	13.6	14.2	0.33	0.57	1487	1	1.1	1.50	1.42	7.7	18.2	804	16	22	18	1.7	14.4	15.5	0.5	3.1	82	0.5	0.6	4.2	3441	1.6	109.9	1	9.6	2.2	129	50	52	
08-5313	4.081	18.0	14.8	16.7	7.5	0.36	0.66	667	2	1.9	1.60	1.52	9.5	13.6	414	13	33	41	1.3	14.8	15.3	0.5	4.0	102	0.6	0.8	5.0	4694	2.2	113.3	1	11.9	2.5	71	270	56	
08-5314	3.145	19.0	10.9	34.5	10.6	0.38	1.09	883	2	1.9	1.10	1.19	10.1	22.8	282	15	64	74	1.5	19.6	22.3	0.5	3.8	57	0.5	0.7	6.1	3480	3.0	204.3	2	7.7	2.5	77	50	66	
08-5315	4.093	19.0	13.5	22.1	3.0	0.40	0.80	1030	3	2.0	1.70	1.81	10.4	14.6	138	17	37	41	1.1	15.2	16.2	0.5	4.1	98	0.9	0.8	4.6	5412	2.3	156.5	1	12.5	2.9	52	220	56	
08-5316	4.088	17.0	13.9	14.5	11.0	0.44	0.62	2830	1	0.5	1.70	1.86	7.1	17.7	738	22	35	38	1.0	16.8	18.6	0.5	4.0	85	0.5	0.7	4.3	3520	1.7	122.0	0.5	13.4	3.1	122	180	53	
08-5317	5.063	18.0	14.1	16.5	11.0	0.56	0.78	805	1	2.2	2.10	2.24	8.6	18.4	739	18	35	27	1.3	16.6	17.6	0.5	5.2	101	0.5	1.0	3.8	4760	2.0	139.2	1	23.9	4.2	95	220	52	
08-5318	5.065	20.0	13.2	14.8	4.5	0.39	0.75	530	0.5	0.5	2.40	2.33	6.3	15.5	301	13	20	21	1.1	16.5	16.7	0.5	4.4	114	0.5	0.9	4.5	3751	1.8	112.0	1	13.1	2.9	65	200	49	
08-5319	2.082	11.0	2.2	16.4	8.2	0.52	0.26	1319	0.5	0.5	2.30	2.30	8.4	20.9	678	15	21	22	1.9	48.5	52.2	0.5	3.6	142	0.1	0.9	2.0	1313	2.5	333.0	1	6.4	3.9	150	50	52	
08-5320	4.093	25.0	17.1	18.0	10.4	0.39	0.84	2071	0.5	0.5	1.50	1.62	7.7	18.3	557	13	41	46	0.9	15.7	17.4	0.5	4.6	82	0.4	0.7	6.2	3197	1.9	113.0	1	12.4	2.7	75	250	68	
08-5321	4.080	17.0	15.0	10.9	34.5	10.6	0.38	1.09	883	2	1.9	1.10	1.19	10.1	22.8	282	15	64	74	1.5	19.6	22.3	0.5	3.8	57	0.5	0.7	6.1	3480	3.0	204.3	2	7.7	2.5	77	50	66
08-5322	9.076	24.0	18.2	13.0	3.3	0.53	1.05	1685	0.5	0.5	2.50	2.24	11.0	29.6	811	16	31	35	1.8	24.9	24.9	0.5	6.3	147	1.0	1.3	6.8	7590	3.0	164.6	1	24.5	4.0	89	290	63	
08-5323	5.053	16.0	10.5	5.6	3.0	0.37	0.75	564	0.5	0.5	2.60	3.21	5.7	11.5	208	9	21	23	0.7	17.7	19.3	0.5	4.2	142	0.5	0.8	3.4	5145	1.3	129.0	1	13.3	2.7	34	180	46	
08-5325	5.061	22.0	15.3	9.5	3.4	0.42	0.80	811	0.5	0.5	2.30	2.19	9.8	17.3	506	10	23	22	1.6	19.9	19.3	0.5	5.4	139	0.5	0.9	3.2	6137	1.8	220.7	2	18.2	3.6	54	270	58	
08-5326	4.060	15.0	10.5	24.6	12.0	0.45	1.33	992	2	1.7	2.50	2.68	9.8	25.4	1311	7	25	28	0.7	26.7	29.3	0.5	4.4	109	0.5	0.9	3.2	6137	1.8	220.7	2	17.8	3.6	54	270	58	
08-5327	7.050	19.0	13.4	9.8	5.7	0.39	0.62	1276	0.5	0.5	1.80	1.78	8.1	18.2	703	12	18	19	2.4	14.9	14.3	0.5	4.4	111	0.9	0.8	5.1	4471	1.6	102.3	1	13.2	2.9	52	200	54	
08-5328	8.194	23.0	16.1	21.7	5.0	0.41	0.85	856	0.5	0.5	1.80	1.76	10.5	17.9	287	14	44	52	1.5	16.4	16.8	0.5	4.7	107	1.0	0.9	8.8	5192	2.1	104.7	2	15.1	3.0	54	270	55	
08-5329	6.025	22.0	16.8	24.7	3.3	0.38	0.75	1051	0.5	0.5	1.90	1.73	9.4	18.9	431	25	71	73	2.0	15.9	15.2	0.5	4.9	101	0.8	0.8	8.8	4101	2.8	97.1	5	12.9	2.7	59	190	62	
08-5330	4.078	18.0	9.8	25.9	13.7	0.36	0.67	2177	0.5	0.5	1.40	1.49	9.2	29.4	1166	7	34	37	1.9	20.0	21.8	0.5	4.3	96	0.7	0.8	4.4	3506	1.3	146.6	2	10.2	2.5	68	50	48	
08-5331	4.063	16.0	12.5	14.8	5.7	0.39	0.92	794	0.5	0.5	2.10	2.09	8.8	21.4	387	9	26	30	1.4	21.2	21.7	0.5	4.4	123	0.7	0.9	5.2	5806	2.1	149.1	1	15.1	2.9	66	250	54	
08-5332	4.073	19.0	16.3	14.0	5.6	0.46	1.19	1040	2	1.4	2.40	2.31	10.6	29.3	423	15	28	29	1.7	25.9	27.5	0.5	5.8	134	0.6	1.3	4.9	7374	2.3	192.5	1	24.0	3.2	86	230	58	
08-5333	4.064	17.0	10.0	10.1	3.6	0.42	0.97	812	0.5	0.5	2.50	2.64	7.3	15.0	153	10	24	23	0.8	19.1	20.1	0.5	3.9	133	0.7	0.8	3.7	5984	1.5	157.3	0.5	13.5	2.9	46	150	48	
08-5334	4.068	20.0	13.1	14.4	3.5	0.46	0.83	3867	2	2.1	1.90	1.95	10.7	15.0	152	12	42	47	1.1	18.8	19.4	0.5	4.4	131	0.9	0.9	4.6	6990	2.6	108.7	2	13.8	3.5	54	50	60	
08-5335	4.066	16.0	10.6	12.2	8.6	0.37	0.76	566	0.5	0.5	1.90	1.94	6.8	16.7	364	9	27	27	1.2	15.9	16.7	0.5	3.5	106	0.6	0.7	5.1	3329	1.6	108.7	0.5	10.5	2.7	57	190	51	
08-5336	3.045	18.0	12.4	12.1	4.8	0.37	0.95	731	0.5	0.5	2.20	2.19	6.4	19.1	274	7	18	16	2.1	13.9	13.6	0.5	3.4	112	0.6	0.6	5.0	3693	1.6	113.8	1	12.9	3.1	61	50	50	
08-5337	3.045	14.0	10.1	9.6	11.2	0.35	0.73	615	0.5	0.5	2.00	1.99	5.8	16.8	517	8	15	15	1.0	16.3	16.6	0.5	3.2	104	0.5	0.6	3.9	3139	1.3	111.0	0.5	11.1	2.3	68	170	41	
08-5338	4.131	16.0	22.4	25.3	12.0	0.38	0.74	1778	0.5	0.5	1.60	1.37	10.7	26.4	448	18	23	66	1.6	18.4	14.6	0.5	3.7	82	0.3	0.8	4.6	3915	1.4	94.8	1	11.6	2.9	67	180	82	
08-5339	7.057	37.0	8.8	9.9	5.2	0.47	0.65	710	0.5	0.5	1.40	1.55	6.7	17.6	769	15	68	24	2.6	14.3	18.2	0.5	7.0	93	1.1	1.1	11.4	3141	3.0	127.6	2	9.5	3.5	96	300	43	
08-5340	8.324	66.0	34.2	10.2	4.5	0.56	0.26	75	0.5	0.5	0.48	0.48	8.8	5.2	135	0.5	160	184	1.4	17.9	20.4	0.5	11.6	69	2.3	1.8	17.0	3298	2.7	160.0	2	6.2	3.7	22	260	93	
08-5341	7.187	48.0	22.1	8.5	9.6	0.58	1.43	185	0.5	0.5	2.20	1.87	7.1	27.4	640	9	97	105	1.0	19.7	18.6	0.5	8.5	55	1.6	1.3	16.4	1949	3.2	111.8	6	7.0	4.5	34	50	96	

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
08-5370	5.078	20.0	16.1	17.2	3.5	0.41	0.78	699	0.5	1.2	1.80	1.77	7.1	12.0	316	14	31	32	1.0	15.0	15.5	0.5	4.3	106	0.8	0.9	4.2	4011	1.9	132.4	0.5	12.1	3.4	53	50	50
08-5371	5.085	21.0	14.8	18.6	5.6	0.38	0.76	703	0.5	0.5	1.70	1.64	7.0	17.2	373	12	39	38	1.2	15.2	14.9	0.5	4.1	92	0.6	0.8	5.5	3341	2.0	107.0	1	10.8	3.2	69	170	53
08-5372	4.086	21.0	16.6	19.4	5.4	0.45	0.82	753	1	1.1	1.70	1.60	7.4	20.7	537	17	40	40	1.4	16.6	16.5	0.5	4.3	94	0.7	0.9	5.5	3465	2.4	107.7	0.5	15.1	3.3	75	170	52
08-5373	6.096	30.0	21.4	18.2	3.6	0.52	0.73	692	1	1.5	1.80	1.63	8.5	18.4	531	17	44	39	1.4	16.5	14.8	0.5	5.8	114	1.0	1.1	6.5	4562	2.7	111.1	2	14.9	3.5	69	190	59
08-5374	5.100	24.0	16.3	19.8	6.2	0.42	0.78	997	2	0.5	1.60	1.45	8.1	22.8	356	13	41	47	1.5	16.7	15.7	0.5	4.2	95	0.8	0.8	7.0	3988	3.8	107.3	0.5	10.9	2.4	91	50	60
08-5375	11.060	18.0	12.2	6.0	4.0	0.53	0.57	1037	0.5	0.5	2.30	2.08	9.5	9.4	125	11	29	22	1.4	18.2	16.3	0.5	4.0	148	1.1	0.7	4.5	7141	1.8	117.8	1	13.4	3.7	25	390	58
08-5376	8.062	33.0	28.2	16.1	18.8	0.55	0.71	740	2	1.8	1.80	1.63	12.0	16.6	510	12	33	40	1.2	20.9	19.9	0.5	6.7	116	0.8	1.3	12.6	5612	3.6	114.5	2	25.1	3.8	99	270	50
08-5377	6.049	19.0	15.0	19.6	19.3	0.46	1.33	1136	0.5	0.5	1.80	1.67	11.0	26.7	782	12	31	29	0.9	20.5	20.4	0.5	4.8	130	0.7	0.9	4.1	6475	1.9	146.7	0.5	22.4	3.1	71	50	43
08-5378	5.038	12.0	10.0	16.9	31.7	0.36	0.99	785	0.5	0.5	1.01	1.04	9.8	28.8	675	6	23	26	0.5	18.5	18.6	0.5	4.0	74	0.6	0.9	4.0	4772	1.4	119.8	0.5	19.9	2.4	57	50	47
08-5379	7.084	19.0	14.4	13.5	10.7	0.42	0.98	1095	0.5	0.5	1.80	1.71	10.3	28.8	702	10	40	39	1.3	16.6	16.2	0.5	4.5	124	1.0	0.9	5.9	5335	1.5	102.3	1	19.3	3.2	45	50	48
08-5381	9.078	18.0	10.6	10.7	36.2	0.34	0.99	818	0.5	0.5	1.20	1.11	11.3	22.2	512	9	16	21	0.6	16.6	15.6	0.5	3.7	90	1.0	0.7	4.7	5592	1.4	83.9	1	13.5	2.3	40	50	34
08-5382	7.048	26.0	17.3	12.2	3.2	0.48	0.75	789	0.5	0.5	2.10	1.89	9.2	15.3	365	11	38	36	2.2	17.7	16.2	0.5	5.4	133	1.0	1.0	6.7	4848	2.0	97.9	1	17.9	3.6	41	50	56
08-5383	9.112	20.0	11.7	12.8	7.2	0.47	0.65	910	0.5	0.5	2.00	1.83	9.1	10.7	372	21	53	53	1.2	14.3	13.1	0.5	4.2	113	0.9	0.9	5.4	5176	1.9	80.8	2	14.9	3.3	31	50	54
08-5384	12.101	33.0	15.5	15.8	16.2	0.53	1.02	660	0.5	0.5	1.90	1.69	11.6	11.2	315	17	49	49	0.8	16.4	15.4	0.5	6.1	103	1.1	1.0	10.4	6081	2.6	87.6	3	15.2	3.3	34	50	70
08-5385	8.055	10.0	9.1	27.3	15.0	0.51	2.23	1273	0.5	0.5	1.90	1.84	17.8	28.6	332	12	43	44	0.2	30.6	30.8	0.5	4.6	139	1.4	1.0	1.7	10965	1.0	200.9	1	30.6	4.1	72	50	30
08-5386	7.106	16.0	8.6	22.2	13.3	0.47	0.53	766	0.5	0.5	1.80	1.76	12.1	9.7	298	18	51	53	1.0	14.7	15.3	0.5	3.5	94	1.1	0.8	6.1	5984	2.2	134.1	4	15.0	2.8	36	50	75
08-5387	5.059	16.0	10.0	17.1	14.8	0.32	0.55	642	0.5	1.0	1.40	1.34	8.9	17.4	723	15	26	30	2.0	14.6	15.2	0.5	3.5	81	0.6	0.6	6.4	4046	2.2	110.9	2	11.5	2.8	69	50	57
08-5388	5.074	16.0	8.7	18.0	12.7	0.30	0.45	457	0.5	0.5	1.60	1.52	8.6	11.1	634	14	39	39	1.6	12.6	13.1	0.5	3.6	87	0.8	0.6	9.2	3414	2.6	85.4	2	9.5	1.8	48	50	63
08-5389	12.095	15.0	9.7	9.4	21.7	0.36	0.25	395	0.5	0.5	1.20	1.26	21.5	10.6	783	20	44	48	1.3	10.3	11.0	0.5	3.5	66	1.5	0.7	6.5	6084	2.0	125.2	4	12.9	2.5	33	270	59
08-5390	5.064	14.0	9.0	13.0	15.3	0.33	0.48	472	0.5	0.5	1.50	1.50	8.4	12.1	429	16	29	31	1.6	13.1	13.9	0.5	3.3	89	0.6	0.6	5.7	3948	1.8	96.4	2	10.4	1.9	43	210	52
08-5391	7.107	29.0	18.2	11.3	3.7	0.47	0.84	678	0.5	0.5	2.30	2.08	10.0	15.1	414	13	52	52	1.2	18.0	16.9	0.5	6.0	130	1.0	1.0	7.7	5545	2.4	117.7	2	14.8	3.4	43	230	57
08-5392	11.147	28.0	16.7	10.7	6.2	0.55	0.50	632	0.5	0.5	2.01	1.84	9.2	7.1	584	15	77	73	1.4	12.2	10.9	0.5	5.6	94	1.2	1.1	11.1	4074	2.7	62.6	3	10.6	4.0	46	300	71
08-5393	11.139	34.0	16.8	16.5	11.2	0.57	0.80	527	0.5	0.5	1.80	1.60	12.0	9.3	353	15	64	76	0.7	13.4	12.3	0.5	6.1	71	1.2	1.1	11.1	4074	2.7	62.6	3	10.6	4.0	46	300	71
08-5394	8.129	25.0	13.3	7.9	11.9	0.51	0.41	573	0.5	0.5	1.90	1.67	9.5	7.6	424	15	57	62	1.0	10.1	9.0	0.5	4.9	76	1.0	1.0	12.2	3116	2.2	47.9	2	15.9	3.8	23	220	54
08-5395	9.141	24.0	10.7	14.0	9.2	0.42	0.52	519	0.5	0.5	1.80	1.61	8.2	10.3	284	17	70	76	1.0	12.0	11.0	0.5	4.4	84	0.9	0.8	8.3	3493	2.3	63.2	3	11.1	2.9	30	280	53
08-5396	7.089	20.0	10.4	17.8	20.1	0.40	0.75	604	0.5	0.5	1.50	1.32	11.2	16.7	623	14	38	44	0.8	13.6	13.0	0.5	4.2	76	1.0	0.7	7.5	4858	1.9	89.0	0.5	12.2	2.7	38	50	44
08-5397	8.117	20.0	9.2	8.9	17.1	0.38	0.47	491	0.5	0.5	1.60	1.63	8.4	8.6	503	15	49	52	0.5	10.0	10.4	0.5	4.7	88	0.9	0.9	9.0	3281	2.2	60.7	1	13.1	2.7	26	340	46
08-5398	7.143	28.0	12.7	20.3	8.3	0.49	1.01	2322	0.5	0.5	1.40	1.53	13.4	38.3	568	14	68	76	0.7	16.8	19.0	0.5	6.0	99	1.2	1.0	9.3	5606	2.5	118.5	2	21.8	3.4	65	220	48
08-5399	4.246	11.0	8.2	9.0	33.4	0.32	0.94	975	0.5	0.5	0.94	1.00	17.2	20.4	507	8	8	18	1.2	18.7	19.3	0.5	3.4	85	0.9	0.8	2.7	11739	1.0	255.7	0.5	15.4	2.5	55	50	35
08-5400	7.072	16.0	8.1	11.8	15.4	0.39	0.68	1556	0.5	0.5	1.60	1.53	13.5	15.7	576	10	30	37	0.9	18.5	18.8	0.5	3.7	120	1.0	0.7	4.8	7709	1.6	149.0	0.5	15.0	2.9	48	50	53
08-5402	11.118	26.0	12.1	9.0	16.7	0.59	0.48	759	0.5	0.5	1.80	1.57	9.9	9.5	543	15	47	56	0.4	11.2	10.7	0.5	5.0	86	1.0	0.9	11.4	3755	3.0	56.5	2	13.5	4.0	26	340	55
08-5403	11.118	22.0	10.8	12.2	9.8	0.53	0.59	790	0.5	0.5	1.90	1.68	9.3	14.7	334	15	51	58	0.6	12.3	11.8	0.5	4.6	96	0.9	0.9	9.2	4150	2.5	65.8	2	12.2	3.5	30	310	49
08-5405	11.155	21.0	12.2	8.6	1.8	0.51	0.48	747	0.5	0.5	2.40	2.11	6.2	7.4	524	17	72	66	0.4	8.7	8.1	0.5	4.5	107	0.9	0.9	8.5	2782	2.4	40.5	2	14.0	3.7	21	300	41
08-5406	12.141	31.0	13.7	7.6	6.0	0.63	0.51	606	0.5	0.5	2.20	2.01	8.4	8.0	554	16	62	60	0.4	10.0	9.1	0.5	6.6	104	1.0	1.3	11.8	3637	3.1	50.4	2	16.1	4.4	21	450	57
08-5407	10.154	30.0	15.5	12.0	8.9	0.56	0.60	826	0.5	0.5	1.90	1.84	10.9	11.1	368	18	65	69	0.4	10.7	11.1	0.5	6.2	98	1.2	1.1	12.2	4156	3.5	61.1	1	17.2	3.8	32	220	53
08-5408	9.121	34.0	14.2	11.4	3.8	0.54	0.83	1593	0.5	0.5	2.30	2.08	9.5	22.4	800	17	60	52	0.6	14.4	14.0	0.5	5.9	125	1.0	1.2	8.6	4822	2.8	76.8	1	22.1	3.9	35	370	47
08-5409	9.117	34.0	18.2	17.2	7.6	0.57	0.93	1870	0.5	0.5	1.80	1.79	12.8	24.7	519	15	61	54	0.7	16.9	17.0	0.5	6.7	119	1.4	1.3	10.0	5989	3.0	109.2	2	21.1	4.0	48	260	56
08-5410	7.081	21.0	15.0	16.8	5.8	0.50	1.08	2514	0.5	0.5	1.90	1.84	12.6	31.8	767	13	38	38	1.1	21.2	20.9	0.5	5.1	152	1.1	1.0	6.2	7489	1.8	134.1	0.5	22.0	3.2	63	280	44
08-54																																				

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm	
08-5438	4 1.30	31.0	20.7	28.8	5.1	0.43	0.85	1262	3	2.3	1.40	1.36	8.8	17.8	325	12	67	74	1.0	16.6	16.0	0.5	5.2	91	0.9	0.9	7.3	4058	2.9	138.0	2	11.0	3.3	77	50	57
08-5439	4 1.15	28.0	18.3	23.1	4.1	0.45	0.90	1865	1	1.4	1.60	1.51	8.3	34.6	525	26	49	49	1.8	18.7	18.2	0.5	5.2	104	0.7	0.9	7.1	3492	2.6	115.3	2	14.1	3.0	107	180	56
08-5440	5 1.03	21.0	16.4	17.7	2.3	0.38	0.92	510	0.5	0.5	1.90	1.82	7.1	21.1	414	16	41	37	1.5	17.7	17.2	0.5	4.0	135	0.6	0.7	5.4	3462	1.9	99.3	0.5	13.5	2.6	63	170	54
08-5442	5 0.86	21.0	17.0	16.5	2.7	0.32	0.75	788	0.5	0.5	1.90	1.74	7.1	19.8	298	20	39	33	1.3	17.4	16.5	0.5	3.8	126	0.6	0.6	6.1	3221	1.9	83.7	0.5	13.0	2.3	84	50	52
08-5443	5 1.17	23.0	18.4	15.7	1.8	0.37	0.96	1366	0.5	0.5	2.10	1.81	7.0	22.7	516	27	52	42	1.3	18.9	17.9	0.5	4.7	137	0.5	0.8	6.5	3047	1.9	96.7	0.5	15.5	2.4	67	160	52
08-5444	6 0.81	22.0	18.5	12.0	1.5	0.35	0.81	819	0.5	0.5	2.00	1.81	6.4	17.8	459	13	31	24	1.3	18.5	17.8	0.5	4.4	152	0.6	0.7	5.4	3372	1.6	96.8	1	15.5	2.2	48	160	53
08-5445	5 0.93	19.0	16.6	16.4	2.4	0.27	0.80	1899	0.5	0.5	2.10	1.90	6.3	20.7	392	17	38	28	1.1	16.5	16.6	0.5	4.0	147	0.5	0.7	5.6	3023	2.0	88.8	0.5	15.4	2.4	58	210	51
08-5446	6 0.82	16.0	15.4	14.7	3.0	0.31	0.78	713	0.5	0.5	1.80	1.78	6.8	19.6	217	21	36	30	1.1	19.0	17.7	0.5	3.4	141	0.5	0.7	5.8	3308	1.7	91.5	1	13.1	2.0	56	200	50
08-5447	6 0.92	27.0	18.9	10.8	1.7	0.57	0.76	1349	0.5	0.5	2.60	2.21	10.0	21.2	742	12	33	34	1.6	26.5	20.5	0.5	6.3	158	0.8	1.3	5.4	6077	2.3	120.9	2	23.9	4.0	71	260	63
08-5449	6 1.07	25.0	19.3	15.3	2.9	0.54	0.86	1397	0.5	0.5	2.40	2.12	10.5	22.9	553	11	42	38	1.4	28.5	22.4	0.5	5.6	175	0.7	1.0	5.6	6281	2.4	137.6	3	24.1	3.5	70	250	62
08-5450	5 1.15	24.0	18.1	12.5	4.7	0.47	0.97	1207	4	3.2	1.90	1.78	11.5	29.5	580	18	47	48	2.0	24.7	20.3	0.5	5.0	134	0.9	1.0	7.0	6443	3.2	159.3	1	17.7	3.1	84	210	66
08-5451	5 0.94	24.0	18.1	12.5	1.6	0.49	1.07	1398	0.5	0.5	2.60	2.45	11.9	28.0	857	7	33	31	1.3	26.9	24.5	0.5	5.5	199	0.9	1.2	4.0	7893	2.3	150.4	0.5	26.3	3.8	86	250	61
08-5452	5 1.41	29.0	20.8	18.2	3.5	0.52	0.99	1576	2	1.8	2.00	1.82	11.1	31.4	740	16	57	57	1.9	23.6	21.9	0.5	5.9	148	1.0	1.0	6.9	6112	3.3	162.8	3	21.5	3.4	99	230	66
08-5453	6 1.31	30.0	18.4	21.1	4.2	0.44	1.00	1960	5	3.5	1.80	1.64	11.6	26.6	619	16	57	52	2.1	20.2	18.6	0.5	5.5	120	1.0	1.0	7.4	6193	3.5	170.4	1	16.2	3.5	80	50	67
08-5454	5 0.91	21.0	16.3	16.2	5.5	0.42	0.90	1735	0.5	0.5	2.10	1.95	11.2	22.0	405	9	38	36	1.3	22.1	20.4	0.5	4.7	150	0.9	0.9	5.7	6641	2.5	138.9	0.5	17.3	3.1	65	50	63
08-5455	5 1.00	26.0	18.8	16.1	3.8	0.39	0.85	1093	2	1.3	2.00	1.86	10.3	19.2	404	10	41	36	1.4	18.8	18.7	0.5	5.7	132	1.1	1.0	6.6	6383	3.2	139.5	1	17.0	3.2	59	340	63
08-5456	5 1.07	27.0	19.2	19.8	7.1	0.31	0.79	893	5	4.0	1.50	1.51	10.8	21.0	633	22	49	52	1.9	14.9	14.9	0.5	4.7	109	1.0	0.8	7.3	5545	2.9	142.5	1	12.7	2.4	65	50	63
08-5457	5 1.54	40.0	28.5	22.1	3.3	0.43	1.04	1582	7	5.0	1.50	1.49	11.9	39.6	963	31	69	67	2.5	20.1	20.0	0.5	7.9	98	1.1	1.1	10.0	5982	4.9	173.8	1	21.1	3.9	104	50	71
08-5458	5 2.16	38.0	24.0	29.0	4.1	0.35	1.22	1141	7	5.9	1.20	1.09	11.9	27.2	965	32	100	101	2.2	18.7	18.9	0.5	6.7	60	1.1	1.0	12.4	4527	5.2	198.2	2	14.6	2.9	90	50	80
08-5459	4 1.67	33.0	22.2	27.4	4.2	0.40	1.05	3383	4	3.1	1.40	1.36	9.5	34.6	756	26	74	74	2.1	17.4	18.3	0.5	6.3	85	0.9	1.1	8.8	3614	4.7	154.1	1	15.6	3.5	113	50	65
08-5460	4 1.61	31.0	18.8	28.0	4.7	0.33	1.01	2813	4	3.0	1.40	1.32	8.2	32.9	528	19	69	72	1.9	17.1	17.3	0.5	5.4	82	1.0	0.9	9.0	3546	4.7	148.9	1	11.2	2.6	108	50	64
08-5461	4 0.76	20.0	16.4	11.5	4.2	0.45	1.01	1944	5	2.9	1.70	1.54	11.3	36.1	868	22	56	53	2.5	20.9	20.9	0.5	7.4	106	1.0	1.2	7.2	5626	4.3	177.9	2	20.6	3.8	102	50	66
08-5462	4 0.70	17.0	13.5	7.3	1.7	0.38	0.65	864	0.5	0.5	1.80	1.73	6.3	13.0	592	19	27	17	2.0	18.2	19.2	0.5	5.0	102	0.5	0.9	3.9	2849	1.5	92.0	0.5	14.5	3.0	73	50	44
08-5463	5 1.25	31.0	22.2	21.0	5.0	0.38	0.96	1485	5	3.1	1.50	1.43	11.2	30.3	874	19	57	59	2.1	19.0	19.3	0.5	6.1	73	1.0	0.9	7.4	4288	3.9	145.5	1	13.7	2.9	29	50	47
08-5464	5 1.23	31.0	25.3	19.6	3.0	0.42	1.01	1844	5	2.9	1.70	1.54	11.3	36.1	868	22	56	53	2.5	20.9	20.9	0.5	7.4	106	1.0	1.2	7.2	5626	4.3	177.9	2	20.6	3.8	102	50	66
08-5465	4 0.76	18.0	11.8	8.3	3.3	0.44	0.80	933	0.5	0.5	2.00	1.91	6.0	19.3	494	15	26	25	1.4	21.7	22.8	0.5	5.9	93	0.5	1.2	5.4	2899	2.4	120.3	1	14.8	3.9	86	50	51
08-5466	4 0.76	17.0	12.6	9.1	2.5	0.41	0.77	965	0.5	0.5	1.90	1.83	6.0	13.1	458	15	27	19	1.7	19.5	20.0	0.5	4.6	99	0.6	0.9	4.0	2615	1.4	104.1	1	13.7	3.0	82	50	44
08-5467	4 0.95	17.0	12.3	12.0	3.8	0.39	1.01	1563	0.5	0.5	1.80	1.73	6.4	21.8	486	17	35	27	1.9	22.7	23.5	0.5	4.1	89	0.4	0.8	4.6	2874	1.7	133.5	1	10.0	2.5	111	50	51
08-5468	4 0.76	20.0	16.4	11.5	4.2	0.45	1.01	1902	0.5	0.5	2.00	2.02	5.8	21.6	208	15	26	25	1.4	21.7	22.8	0.5	5.9	93	0.5	1.2	5.4	2899	2.4	120.3	1	14.8	3.9	86	50	53
08-5469	5 0.66	18.0	11.8	8.3	3.3	0.44	0.80	933	0.5	0.5	2.00	1.91	6.0	19.3	494	15	26	25	1.4	21.7	22.8	0.5	5.9	93	0.5	1.2	5.4	2899	2.4	120.3	1	14.8	3.9	86	50	53
08-5470	4 0.79	23.0	14.6	8.4	2.2	0.51	1.60	2352	0.5	0.5	2.90	2.87	6.1	28.3	829	13	25	25	1.0	24.1	24.3	0.5	5.9	88	0.5	1.2	4.6	3350	1.2	141.7	0.5	18.7	3.8	86	50	44
08-5471	5 0.70	20.0	12.1	9.5	3.4	0.43	1.03	1422	0.5	0.5	2.40	2.25	6.9	25.9	689	16	27	22	1.9	24.5	24.1	0.5	5.6	106	0.4	1.1	4.3	3864	1.6	138.8	1	15.7	3.6	99	50	44
08-5472	4 0.78	18.0	13.3	9.6	2.5	0.38	1.15	1315	0.5	0.5	2.30	2.21	6.6	27.9	449	14	26	24	1.7	21.7	22.6	0.5	5.3	109	0.6	1.0	4.0	3545	1.8	121.3	0.5	15.8	3.7	79	50	50
08-5473	4 0.55	16.0	9.2	12.8	6.5	0.41	1.01	875	0.5	0.5	2.80	2.31	6.2	29.0	509	10	23	22	1.1	25.7	22.3	0.5	4.0	112	0.4	0.8	4.1	4222	1.3	132.3	0.5	14.8	3.3	98	50	44
08-5474	4 0.76	22.0	14.6	8.4	2.3	0.50	1.16	1639	0.5	0.5	2.70	2.58	6.1	27.3	823	13	23	20	1.3	25.2	21.7	0.5	5.6	102	0.6	1.0	4.5	3617	1.3	132.4	1	19.3	3.8	87	50	47
08-5475	4 0.82	20.0	12.5	9.0	2.7	0.43	0.95	1021	0.5	0.5	2.20	2.07	5.8	19.0	261	15	26	23	1.7	22.2	21.4	0.5	5.0	100	0.5	1.0	4.3	2746	1.5	115.9	1	16.4	3.9	82	50	48
08-5476	4 0.65	15.0	9.7	7.4	4.3	0.45	0.76	1811	0.5	0.5	2.20	2.04	5.3	13.6	509	18	20	16	1.5	19.3	18.1	0.5	4.3	92	0.4	0.9	3.4	2542	1.9	129.3	1	13.9	3.1	66	50	48
08-5477	4 0.78	22.0	14.5	15.4	7.4	0.38	1.07	952	3	2.3	2.00	1.87	6.2	20.0	372	11	28	29	1.2	19.0	18.3	0.5	4.7	98	0.6	0.9	4.2	3370	1.9	129.3	1	12.9	3.1	66	50	

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
08-5508	5 1.78	34.0	25.3	22.0	3.1	0.40	1.02	1202	5	4.7	1.50	1.40	11.9	24.0	935	33	81	88	2.3	17.3	17.4	0.5	6.0	94	1.1	1.0	10.0	5212	3.9	175.6	2	15.5	3.0	67	200	74	
08-5509	5 1.49	35.0	25.7	18.8	3.2	0.39	0.89	1132	8	5.4	1.40	1.40	10.5	20.2	1006	38	66	71	4.7	15.7	16.1	0.5	5.8	90	1.0	0.9	10.4	4248	4.5	148.8	2	12.0	2.9	63	50	71	
08-5510	5 1.49	32.0	18.9	20.6	4.5	0.43	0.84	843	13	8.7	1.40	1.19	9.9	25.5	1029	36	78	74	2.6	14.4	14.3	0.5	5.2	71	1.0	0.8	13.0	3437	5.2	159.8	2	9.1	2.5	67	50	69	
08-5511	6 1.23	34.0	19.9	16.5	2.8	0.42	0.83	988	5	4.3	1.90	1.55	10.0	19.8	865	29	55	54	2.3	18.8	17.3	0.5	5.9	99	1.0	1.0	8.8	4350	4.5	134.0	2	12.9	3.4	59	240	70	
08-5512	5 1.43	33.0	24.0	20.9	3.1	0.45	0.93	1131	5	4.5	1.50	1.38	10.1	26.5	791	31	70	69	3.6	16.5	16.3	0.5	5.4	87	0.8	0.9	10.5	4024	6.2	151.9	2	11.3	2.8	72	180	70	
08-5513	5 0.63	22.0	15.9	10.3	3.2	0.47	0.91	1430	0.5	0.5	2.20	1.94	7.6	26.6	580	11	25	23	2.6	22.9	21.9	0.5	5.3	119	0.6	1.0	4.6	4267	1.8	156.9	0.5	14.0	3.3	67	200	53	
08-5514	4 0.57	18.0	12.4	16.3	9.6	0.39	0.84	823	0.5	0.5	1.80	1.66	6.7	27.4	516	9	24	20	2.0	20.7	19.8	0.5	4.1	94	0.5	0.8	5.0	3497	1.6	142.8	1	10.2	2.9	81	210	49	
08-5515	7 0.74	26.0	16.9	15.4	2.8	0.50	0.74	824	0.5	0.5	2.10	2.01	6.0	25.8	581	10	30	28	4.4	18.1	17.6	0.5	5.6	106	0.6	1.1	5.9	2932	2.0	117.9	1	12.8	3.6	67	220	60	
08-5516	5 0.74	20.0	13.9	15.8	4.4	0.43	0.80	581	0.5	0.5	2.20	2.05	7.0	15.3	285	6	40	38	1.4	18.4	17.3	0.5	3.9	113	0.8	0.8	4.3	4226	1.7	138.1	1	9.4	3.0	60	50	57	
08-5517	5 0.43	17.0	9.7	14.2	10.3	0.42	0.48	606	0.5	0.5	1.90	1.81	7.7	15.0	617	10	18	18	2.5	17.5	16.4	0.5	3.9	85	0.7	0.8	5.1	3872	1.5	97.5	0.5	10.5	3.4	73	190	58	
08-5518	6 0.60	20.0	12.1	16.2	5.9	0.47	0.65	716	0.5	0.5	2.10	1.93	7.5	20.7	442	17	34	25	4.2	17.3	15.6	0.5	4.3	96	0.8	0.8	5.8	4049	1.7	98.8	1	10.3	3.5	88	50	57	
08-5519	7 0.69	26.0	17.3	14.4	5.0	0.44	0.68	1152	0.5	0.5	2.10	1.80	7.3	24.0	381	17	38	28	5.4	17.1	15.1	0.5	5.4	101	0.9	0.9	7.0	3963	2.1	97.2	1	12.3	3.5	54	50	59	
08-5520	5 0.48	18.0	12.8	11.9	7.3	0.38	0.60	464	0.5	0.5	2.20	2.07	6.0	18.3	384	9	19	21	2.6	14.6	14.2	0.5	4.0	87	0.6	0.8	5.1	3079	1.6	90.6	0.5	9.9	2.6	68	220	56	
08-5521	5 0.92	19.0	15.7	18.9	5.2	0.31	0.79	548	0.5	0.5	2.00	1.83	7.0	12.7	207	16	39	37	0.9	16.3	16.0	0.5	3.7	146	0.5	0.6	5.4	3647	2.1	93.5	0.5	13.2	2.0	41	200	51	
08-5524	5 0.97	25.0	18.1	15.0	2.8	0.46	0.74	1576	0.5	0.5	2.00	1.80	8.8	20.6	507	16	41	36	1.6	19.2	18.2	0.5	5.2	141	0.7	1.0	6.1	3840	2.3	104.0	2	18.2	3.5	63	200	51	
08-5525	5 0.76	21.0	14.1	21.1	6.7	0.40	0.63	1470	2	2.2	1.70	1.60	8.9	24.9	531	25	38	36	2.2	17.2	16.5	0.5	3.7	115	0.8	0.7	6.1	4080	2.7	104.2	0.5	11.8	2.8	97	50	56	
08-5526	5 1.46	34.0	22.6	23.4	3.0	0.47	0.95	1461	3	2.2	1.60	1.42	9.0	32.5	655	23	68	66	2.6	18.5	17.3	0.5	5.5	88	0.9	1.0	9.0	3619	4.1	142.1	2	12.0	3.0	81	50	66	
08-5527	5 1.20	32.0	24.0	21.7	4.3	0.42	0.87	1158	3	2.8	1.60	1.42	9.3	30.7	474	24	67	62	2.5	17.1	16.2	0.5	5.0	89	0.8	0.8	8.8	3678	3.4	133.5	1	11.5	3.0	107	50	64	
08-5528	5 0.93	26.0	12.2	18.9	6.2	0.45	0.74	1073	7	5.4	1.50	1.39	9.5	24.4	966	29	61	62	3.6	17.3	16.5	0.5	4.2	85	0.7	0.8	8.4	3567	3.6	135.3	2	10.6	2.7	75	50	63	
08-5529	5 1.32	32.0	17.3	25.0	7.6	0.39	0.75	1118	3	2.1	1.40	1.23	7.8	15.4	518	12	82	82	1.2	15.6	15.1	0.5	5.2	81	0.9	0.8	7.5	3452	3.7	146.9	2	10.8	2.9	74	250	63	
08-5530	4 0.99	26.0	11.5	25.4	13.9	0.27	0.65	1148	9	7.3	1.10	0.99	9.6	21.6	1381	44	57	73	2.9	13.8	14.1	0.5	4.2	70	0.8	0.7	7.3	3360	3.4	156.3	1	9.4	2.1	107	200	59	
08-5531	5 1.35	31.0	17.9	24.5	7.9	0.28	0.77	886	5	4.1	1.10	1.09	8.4	22.4	800	16	76	88	2.7	14.9	14.1	0.5	4.8	66	0.7	0.9	9.0	3249	3.7	159.5	1	8.8	2.4	83	280	67	
08-5532	5 1.45	36.0	18.6	19.1	3.8	0.41	0.84	1067	7	6.0	1.50	1.33	10.0	22.8	723	37	68	73	3.4	15.4	14.9	0.5	6.0	90	1.0	1.0	8.9	4260	5.1	150.0	2	13.3	3.1	52	50	67	
08-5534	4 1.52	34.0	19.5	22.6	5.3	0.32	0.96	1239	10	7.5	1.30	1.21	10.9	27.7	953	37	71	85	2.7	16.1	16.2	0.5	5.3	83	0.9	0.8	10.0	4427	4.6	171.6	2	11.1	2.3	77	50	69	
08-5535	5 0.99	27.0	20.4	22.8	3.7	0.34	1.02	1290	3	2.4	1.60	1.48	11.0	25.6	728	19	68	80	1.8	18.5	18.7	0.5	4.7	91	0.8	0.8	8.8	5436	4.0	175.2	1	13.1	2.5	81	220	70	
08-5536	5 1.47	29.0	18.7	28.1	4.3	0.33	0.99	1165	4	2.8	1.50	1.44	11.2	22.7	256	15	63	75	1.3	17.1	16.8	0.5	5.0	94	1.0	0.7	7.8	5666	3.2	164.9	2	13.8	2.8	63	50	67	
08-5537	5 1.38	30.0	16.7	21.9	5.1	0.33	0.95	1160	4	3.8	1.50	1.38	11.2	24.8	801	19	59	69	1.9	17.6	17.9	0.5	5.3	92	1.0	0.9	8.8	5490	3.7	169.6	1	13.1	2.8	76	50	70	
08-5538	5 1.61	33.0	23.8	22.5	3.5	0.41	1.05	1797	5	3.4	1.50	1.38	11.0	35.0	934	26	69	75	2.4	19.6	20.2	0.5	7.1	94	1.0	1.2	9.2	5186	3.6	179.1	2	21.8	3.2	86	220	71	
08-5539	4 1.08	21.0	16.5	18.0	4.2	0.34	0.90	1376	1	0.5	1.90	1.88	10.7	24.1	599	13	47	41	1.3	18.1	19.2	0.5	4.8	148	0.9	0.8	5.9	6290	2.6	145.9	1	18.1	2.5	70	50	63	
08-5540	5 0.99	23.0	18.7	14.5	1.9	0.38	0.78	1509	1	0.5	2.40	2.13	10.4	20.7	632	11	37	41	1.4	21.1	20.9	0.5	6.0	172	0.9	1.1	5.5	6562	2.7	137.4	2	22.7	3.1	64	230	61	
08-5542	5 0.88	21.0	15.1	12.7	2.4	0.35	0.81	1134	0.5	0.5	2.20	2.15	9.4	18.6	657	9	33	34	1.3	20.3	20.1	0.5	5.1	163	1.0	0.9	5.6	6009	2.2	124.3	1	19.2	2.9	60	50	56	
08-5543	6 1.17	21.0	16.9	23.2	9.7	0.31	0.78	523	0.5	0.5	1.10	1.11	9.7	25.4	484	17	53	63	1.7	15.6	15.5	0.5	3.3	79	0.8	0.5	6.3	4001	2.0	123.1	0.5	9.9	2.2	85	250	62	
08-5544	7 0.92	20.0	15.8	21.0	7.3	0.31	0.71	452	0.5	0.5	1.30	1.30	7.4	18.9	217	19	37	43	1.4	15.2	14.8	0.5	3.3	100	0.7	0.6	5.8	3463	1.9	96.6	1	10.4	2.5	55	220	60	
08-5545	6 3.23	39.0	30.9	34.7	13.5	0.54	0.45	312	0.5	1.7	0.65	0.61	6.2	90.1	432	24	130	159	9.2	25.0	27.4	0.5	6.3	75	1.1	0.8	14.8	2065	5.1	209.9	10	16.0	3.4	116	50	131	
08-5546	5 0.66	16.0	13.6	11.3	4.0	0.25	0.70	1071	0.5	0.5	1.90	1.78	5.7	19.3	333	18	28	23	1.4	16.8	16.4	0.5	3.5	139	0.5	0.7	5.3	2981	1.6	88.3	0.5	12.5	2.4	59	50	52	
08-5547	5 0.88	22.0	18.1	15.6	2.0	0.31	0.80	924	0.5	0.5	1.90	1.80	6.5	22.4	465	21	38	31	1.8	18.3	18.3	0.5	5.2	126	0.6	0.9	5.7	2994	2.2	89.1	0.5	16.6	2.8	74	50	50	
08-5548	5 0.75	15.0	13.5	13.7	3.1	0.25	0.73	576	0.5	0.5	1.80	1.75	6.1	19.9	230	20	30	25	1.7	15.0	15.5	0.5	3.2	120	0.5	0.5	5.4	2779	1.9	85.3	0.5	10.5	1.8	64	50	53	
08-5549	5 0.68	15.0	13.5	16.7	3.9	0.23	0.74	429	0.5	0.5	1.90	1.73	6.5	15.6	116	13	34	29	0.9	13.4	13.7	0.5	2.9	132	0.6	0.5	4.4	3208	1.6	84.5	0.5	9.8	1.7				

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Lu1 pct	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm	
08-5576	5 1.06	27.0	19.8	17.5	2.9	0.40	0.89	1452	0.5	0.5	2.10	1.92	11.6	21.5	585	11	49	45	1.4	24.1	23.1	0.5	5.9	151	0.8	0.9	6.5	6977	3.1	147.2	1	20.1	3.5	69	50	68
08-5577	5 1.07	26.0	19.6	20.5	3.9	0.35	0.93	1316	1	1.4	2.00	1.69	10.1	28.4	593	14	49	47	1.4	21.9	22.2	0.5	5.5	148	0.8	0.9	5.7	6796	3.0	160.3	1	25.0	3.6	98	50	64
08-5578	4 1.08	21.0	18.2	16.2	4.3	0.38	0.84	1501	0.5	1.2	2.00	1.89	9.9	23.4	608	10	48	47	1.2	18.9	18.5	0.5	4.6	129	0.7	0.9	6.2	6218	2.6	136.5	0.5	18.1	3.3	82	50	66
08-5580	5 0.95	21.0	16.1	21.6	3.0	0.34	0.84	1011	0.5	0.5	2.00	1.92	10.4	18.8	348	12	49	51	0.9	18.9	18.8	0.5	4.5	153	0.8	0.8	5.2	6523	2.2	134.7	1	17.7	2.9	87	50	62
08-5581	6 0.68	16.0	14.9	16.6	10.3	0.27	0.71	467	0.5	0.5	1.40	1.26	7.5	19.2	311	10	27	33	1.0	14.1	13.9	0.5	3.0	112	0.6	0.5	4.5	3610	1.5	87.8	0.5	12.0	2.0	41	50	53
08-5582	6 0.74	17.0	14.8	18.0	5.3	0.27	0.73	471	0.5	0.5	1.70	1.62	7.3	16.5	164	13	31	34	0.8	13.3	13.1	0.5	2.9	125	0.6	0.5	5.2	3550	1.6	76.5	0.5	10.9	2.0	42	50	54
08-5583	5 1.00	22.0	19.6	12.5	1.3	0.32	0.71	1510	0.5	0.5	2.20	2.01	7.0	15.5	469	16	37	39	1.5	15.6	15.1	0.5	4.5	149	0.6	0.8	5.6	3416	1.6	85.7	0.5	17.4	2.6	49	50	58
08-5584	5 0.84	17.0	15.9	14.6	4.8	0.25	0.83	934	0.5	0.5	2.00	1.75	6.6	18.6	360	13	35	30	1.1	16.7	15.9	0.5	3.5	149	0.5	0.6	5.0	3855	1.3	92.4	1	13.7	2.1	40	50	57
08-5585	4 0.94	18.0	17.2	22.4	4.7	0.27	1.12	825	0.5	0.5	1.70	1.59	8.3	35.9	122	10	33	42	1.2	20.9	21.3	0.5	3.7	148	0.5	0.6	5.3	4435	1.4	120.6	0.5	13.3	2.0	50	50	61
08-5586	5 0.90	14.0	14.3	28.0	6.5	0.27	0.99	816	0.5	0.5	1.50	1.44	9.1	38.4	177	9	42	46	1.1	16.6	17.1	0.5	2.7	135	0.6	0.6	4.7	5042	1.1	111.1	0.5	10.6	1.4	44	50	57
08-5587	4 0.97	25.0	17.9	20.9	4.1	0.37	0.74	1091	1	1.2	1.90	1.66	6.9	19.6	198	20	43	44	1.7	20.2	20.5	0.5	5.6	126	0.6	1.0	6.4	3460	3.2	110.5	2	16.9	2.9	58	50	52
08-5588	5 0.61	17.0	14.6	17.3	5.9	0.29	0.56	738	0.5	0.5	1.70	1.68	8.0	15.6	280	14	31	35	0.9	14.5	14.8	0.5	3.3	128	0.6	0.6	5.2	3722	1.7	91.9	0.5	12.2	2.2	66	50	56
08-5589	5 0.92	23.0	18.1	15.9	2.9	0.37	0.68	1136	0.5	0.5	2.00	1.76	7.6	26.5	329	20	39	38	1.9	18.0	17.6	0.5	4.6	137	0.6	0.6	6.2	3613	2.4	99.7	0.5	15.2	3.0	72	50	55
08-5590	4 0.94	22.0	15.8	21.3	4.8	0.31	0.66	767	0.5	0.5	1.80	1.64	7.4	13.2	209	9	47	45	1.2	13.4	13.1	0.5	3.7	127	0.8	0.6	5.1	3679	2.1	94.8	1	10.8	2.5	51	190	55
08-5591	5 0.94	26.0	18.8	16.0	2.5	0.39	0.69	1087	0.5	0.5	2.00	1.77	7.1	26.5	440	17	44	42	1.9	16.6	16.0	0.5	5.0	127	0.6	0.8	6.2	3378	2.7	98.6	1	15.8	3.2	66	50	56
08-5592	5 0.97	23.0	17.5	18.2	3.2	0.36	0.69	1273	0.5	0.5	2.10	1.84	6.9	19.3	430	13	39	40	1.3	17.1	16.0	0.5	4.7	152	0.7	0.9	5.7	3449	2.3	86.3	0.5	15.9	3.0	48	50	50
08-5593	5 0.99	23.0	18.6	18.4	4.8	0.34	0.72	2369	0.5	0.5	1.90	1.69	7.3	18.3	398	14	40	40	1.4	16.7	16.1	0.5	4.5	133	0.7	0.7	6.4	3492	2.2	92.3	0.5	14.8	2.8	55	50	54
08-5594	4 0.83	16.0	14.2	15.1	6.6	0.27	0.59	644	0.5	0.5	1.90	1.73	7.1	13.9	208	11	37	37	0.7	13.9	13.2	0.5	2.9	138	0.6	0.25	5.2	3349	1.4	78.9	0.5	11.3	1.9	41	180	52
08-5595	5 0.94	19.0	16.0	13.4	5.0	0.29	0.67	803	0.5	0.5	2.00	1.80	7.3	16.4	328	14	35	36	1.0	16.0	15.3	0.5	3.6	139	0.6	0.6	5.7	3497	1.8	92.5	0.5	14.0	2.3	47	220	57
08-5596	4 0.92	18.0	16.3	14.0	4.9	0.28	0.72	891	0.5	0.5	2.00	1.81	7.3	20.7	255	12	37	36	0.9	15.5	15.6	0.5	3.6	141	0.5	0.6	5.8	3417	1.8	84.0	0.5	14.4	2.3	49	50	55
08-5597	4 0.81	18.0	16.6	12.9	3.3	0.31	0.73	1109	0.5	0.5	1.90	1.85	7.6	18.7	260	11	38	38	1.1	14.9	15.6	0.5	3.8	145	0.6	0.6	6.0	3471	1.8	83.4	0.5	14.4	2.1	46	180	56
08-5598	6 0.85	16.0	15.3	12.9	3.0	0.29	0.60	482	0.5	0.5	2.10	2.06	6.5	10.5	141	11	32	32	0.9	13.1	12.9	0.5	3.0	153	0.7	0.25	5.0	3506	1.6	72.9	0.5	12.1	2.0	34	190	58
08-5599	5 1.02	19.0	16.1	12.8	1.7	0.31	0.67	549	0.5	0.5	2.30	2.11	6.6	12.1	224	13	40	36	0.8	12.6	12.1	0.5	3.5	156	0.6	0.25	5.1	3295	1.6	68.2	1	13.0	2.3	38	160	55
08-5600	6 0.93	21.0	18.6	13.4	1.7	0.33	0.87	636	0.5	0.5	2.20	2.01	7.0	22.1	452	12	32	32	1.4	19.2	18.2	0.5	4.4	173	0.6	0.8	5.3	4106	1.5	104.9	0.5	16.7	2.5	45	250	60
08-5602	8 0.90	15.0	12.9	7.7	5.1	0.33	0.31	221	0.5	0.5	1.40	1.38	7.6	1.3	126	12	42	40	1.4	10.6	9.6	0.5	2.6	101	0.6	0.25	4.2	4719	1.6	72.1	2	9.9	2.3	19	230	70
08-5603	10 0.93	19.0	14.8	15.9	3.4	0.35	0.80	605	0.5	0.5	2.40	1.19	7.7	17.0	415	14	40	37	1.6	15.7	14.3	0.5	3.5	109	0.7	0.6	5.7	3800	1.7	93.6	0.5	13.8	2.5	47	280	64
08-5604	5 0.94	24.0	16.4	10.1	2.7	0.50	0.72	1253	0.5	0.5	2.30	2.20	9.5	16.4	687	12	34	30	1.6	20.3	19.2	0.5	6.2	150	0.9	1.1	5.4	5464	2.4	110.9	1	22.9	4.1	85	240	61
08-5605	4 0.81	21.0	13.4	14.2	5.2	0.38	0.75	840	0.5	0.5	2.00	2.04	8.3	21.3	445	9	31	36	1.3	17.8	18.3	0.5	4.8	113	0.9	0.9	5.5	4668	2.0	122.8	0.5	13.5	3.0	73	50	62
08-5606	4 0.81	19.0	14.4	13.5	4.0	0.42	0.84	1005	0.5	0.5	2.30	2.28	7.9	19.9	389	7	30	34	1.3	17.8	18.3	0.5	4.8	111	0.8	0.9	5.7	4442	2.3	120.2	1	13.9	3.0	61	50	66
08-5608	4 0.85	16.0	17.0	13.9	3.5	0.45	0.99	1098	2	2.0	2.20	2.18	8.9	19.1	498	12	36	39	1.5	18.6	18.5	0.5	5.2	116	0.7	1.0	5.7	4892	2.4	136.5	0.5	15.1	3.7	90	230	64
08-5609	8 0.79	18.0	15.3	13.4	2.3	0.32	0.72	530	0.5	0.5	1.70	1.54	6.8	17.3	286	11	35	42	0.9	18.2	18.7	0.5	3.7	165	0.7	0.7	4.0	6254	1.9	122.7	1	16.6	2.7	69	220	57
08-5610	8 0.94	18.0	15.6	20.5	3.8	0.34	0.78	619	0.5	0.5	1.40	1.31	7.9	22.1	360	14	37	41	1.3	14.7	13.9	0.5	3.7	137	0.5	0.6	4.6	3467	1.6	82.9	0.5	13.8	2.2	82	210	54
08-5611	7 0.81	16.0	15.0	14.6	7.3	0.27	0.80	995	0.5	0.5	1.30	1.25	7.4	20.2	356	27	32	39	1.2	14.3	14.3	0.5	3.2	110	0.6	0.25	4.6	3447	1.4	94.2	0.5	14.1	2.2	54	280	55
08-5612	5 1.20	28.0	25.2	20.1	2.4	0.49	1.08	1632	0.5	0.5	2.30	2.13	8.0	31.3	323	13	41	40	2.6	30.2	28.8	0.5	7.1	164	0.5	1.2	5.5	4505	1.5	130.8	0.5	28.1	3.6	47	50	63
08-5613	7 0.90	18.0	14.9	13.5	2.5	0.31	0.76	757	0.5	0.5	1.30	1.13	8.9	17.0	324	13	35	41	1.4	15.2	14.0	0.5	3.2	101	0.7	0.5	5.4	3427	2.0	81.4	1	12.2	2.4	47	270	57
08-5614	4 0.78	21.0	13.6	30.1	7.5	0.36	0.69	794	0.5	0.5	1.80	1.85	9.5	15.3	504	7	34	42	1.1	15.7	16.3	0.5	4.2	120	0.8	0.8	4.6	5019	2.2	132.9	0.5	12.2	3.2	153	50	60
08-5615	5 1.72	24.0	21.2	47.0	13.5	0.20	1.04	2256	3	2.8	1.10	1.10	10.4	43.6	908	20	79	92	1.2	16.8	19.6	0.5	4.8	90	0.7	0.7	8.0	3988	4.1	157.0	2	12.6	1.8	209	50	67
08-5616	4 1.19	24.0	19.9	23.6	7.8	0.31	0.85	997	4	3.1	1.40	1.44	10.2	26.5	503	16	49	57	1.3	14.2	15.4	0.5	4.8	105	0.9											

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm		
08-5643	7	0.91	27.0	27.0	26.8	8.9	0.39	0.78	1430	0.5	0.5	1.40	1.29	7.3	47.2	633	16	33	37	1.9	25.0	27.7	0.5	7.5	113	0.5	1.3	5.3	3343	1.9	122.5	0.5	37.8	3.5	54	270	57
08-5644	5	0.88	15.0	13.3	34.0	6.2	0.26	0.83	502	0.5	0.5	1.50	1.53	8.2	26.1	257	16	39	43	0.3	14.0	15.3	0.5	2.8	121	0.5	0.25	4.7	3754	1.9	108.8	0.5	11.3	1.9	127	200	54
08-5645	5	0.96	18.0	15.5	22.9	3.8	0.23	0.65	385	0.5	0.5	1.60	1.69	6.6	10.0	155	13	49	50	0.6	12.6	13.4	0.5	3.0	116	0.6	0.25	4.7	3100	1.7	79.3	0.5	9.3	1.9	38	50	50
08-5646	8	0.85	18.0	15.2	12.6	2.5	0.29	0.67	571	0.5	0.5	2.10	1.95	7.6	14.5	141	13	36	38	1.1	14.6	14.6	0.5	3.4	153	0.7	0.6	5.6	3716	1.8	90.9	0.5	12.8	2.3	39	270	70
08-5647	6	0.78	16.0	14.2	18.8	4.4	0.25	0.79	596	0.5	0.5	1.60	1.64	7.8	23.7	177	9	28	39	1.0	14.7	15.2	0.5	3.1	136	0.6	0.25	4.7	3948	1.4	101.6	0.5	11.7	2.3	42	180	59
08-5648	5	0.86	16.0	13.9	15.7	4.2	0.24	0.66	526	0.5	0.5	1.90	1.84	6.6	13.9	209	12	33	39	0.8	13.1	13.4	0.5	2.9	141	0.5	0.5	5.0	3265	1.6	73.5	0.5	11.0	2.0	40	170	55
08-5649	4	0.84	17.0	15.6	14.2	3.0	0.29	0.81	900	0.5	0.5	1.40	1.36	7.8	20.3	286	12	34	35	1.6	15.5	15.8	0.5	3.5	122	0.6	0.6	5.2	3716	1.6	96.6	0.5	14.1	1.9	48	230	61
08-5800	5	0.53	18.0	9.4	6.8	6.3	0.42	0.60	576	0.5	0.5	2.70	2.80	5.8	11.3	468	6	30	25	0.7	18.3	18.6	0.5	4.2	106	0.4	0.9	4.0	4263	1.3	123.4	1	12.3	3.2	46	50	57
08-5801	4	0.77	21.0	14.9	11.1	3.6	0.41	1.13	1270	1	0.5	2.40	2.44	8.2	27.9	630	13	21	23	1.6	24.5	25.0	0.5	5.8	122	0.6	1.2	4.9	5546	2.6	158.2	1	21.3	3.7	87	50	57
08-5802	4	0.70	16.0	11.3	15.5	7.2	0.32	0.97	1076	0.5	1.1	2.20	2.42	7.4	17.5	352	11	41	40	0.9	19.6	20.8	0.5	3.9	126	0.7	0.7	3.8	5512	1.8	176.4	0.5	14.9	3.0	84	50	52
08-5803	4	0.64	16.0	10.9	13.6	4.1	0.38	0.73	1109	2	1.3	2.00	2.06	7.9	23.2	431	13	21	19	2.2	18.3	19.4	0.5	4.6	128	0.6	0.9	4.8	4364	2.2	109.2	1	13.3	2.8	91	50	53
08-5804	5	0.78	20.0	12.9	11.2	5.8	0.39	1.07	650	0.5	0.5	3.00	2.57	6.9	22.3	570	9	30	30	0.9	23.6	21.1	0.5	4.7	116	0.5	0.9	5.2	4913	1.8	129.9	1	15.2	3.4	67	50	53
08-5805	4	0.63	15.0	10.1	13.7	8.8	0.45	0.92	994	0.5	1.3	2.20	2.23	8.1	16.3	576	9	29	32	1.0	21.8	22.3	0.5	4.2	117	0.5	0.9	4.0	5529	2.2	160.8	0.5	16.7	3.8	85	50	55
08-5806	5	0.93	19.0	13.9	16.6	6.1	0.48	0.96	1833	4	3.9	2.30	2.22	9.2	25.7	611	13	46	42	1.2	24.1	24.1	0.5	5.0	129	0.8	1.0	4.9	5481	4.0	175.9	1	20.3	4.0	120	50	61
08-5807	4	0.68	16.0	8.8	17.2	13.0	0.33	0.60	600	0.5	1.4	1.40	1.41	7.7	11.6	499	10	29	28	1.2	14.2	14.2	0.5	3.2	83	0.7	0.6	4.2	3496	1.7	109.4	0.5	9.1	2.0	82	50	48
08-5808	4	0.83	19.0	9.5	20.8	11.3	0.38	0.62	1697	0.5	1.3	1.50	1.43	7.6	21.7	819	13	44	43	1.9	19.4	19.4	0.5	3.9	90	0.8	0.7	5.6	3391	2.2	122.1	1	9.8	2.7	110	50	51
08-5809	4	0.77	20.0	11.2	15.6	6.9	0.39	0.76	738	0.5	1.5	1.90	1.81	6.9	17.9	519	11	30	29	1.8	17.7	17.2	0.5	4.1	99	0.6	0.8	5.3	3630	2.7	123.9	1	11.1	3.1	82	50	54
08-5810	4	0.87	23.0	14.2	19.2	4.5	0.43	0.99	774	0.5	0.5	1.80	1.79	7.2	20.6	286	8	37	38	1.5	18.2	18.3	0.5	4.7	93	0.7	0.9	5.0	3678	2.5	157.0	0.5	12.7	3.4	89	50	53
08-5811	5	0.77	17.0	10.7	17.3	4.9	0.42	1.00	794	1	1.9	2.20	2.19	8.7	14.9	367	9	35	33	0.9	19.4	19.1	0.5	4.2	125	0.8	0.9	3.8	5582	2.1	163.7	0.5	16.0	3.6	80	50	57
08-5813	4	0.58	17.0	10.9	11.9	6.3	0.42	0.83	1027	2	1.8	2.70	2.46	7.1	22.2	921	14	21	19	1.8	19.2	18.4	0.5	4.6	98	0.6	0.9	4.7	4093	2.1	123.4	1	15.5	3.7	140	50	48
08-5814	4	0.77	17.0	11.6	12.1	6.7	0.35	0.76	516	0.5	0.5	1.80	1.89	5.9	13.4	293	8	31	25	1.2	17.5	18.2	0.5	4.2	94	0.5	0.8	3.7	2965	1.5	107.3	1	13.4	2.8	92	50	44
08-5815	4	0.72	14.0	8.7	10.5	5.0	0.34	0.62	415	0.5	0.5	1.70	1.59	5.5	10.1	209	11	26	20	1.4	16.2	15.9	0.5	3.1	99	0.3	0.6	3.6	2811	1.4	89.8	0.5	8.9	2.3	63	50	42
08-5816	5	0.57	13.0	8.7	9.5	4.9	0.33	0.51	422	0.5	0.5	1.60	1.49	6.0	9.4	242	14	18	16	1.4	15.4	15.3	0.5	2.9	103	0.6	0.6	3.5	2978	1.2	77.5	0.5	10.2	2.4	58	50	44
08-5817	4	0.92	17.0	11.7	13.1	4.4	0.36	0.80	720	1	1.2	1.80	1.69	6.1	11.2	425	10	34	30	1.0	16.6	16.1	0.5	3.6	107	0.5	0.7	3.6	2952	2.0	90.9	0.5	11.1	2.8	63	50	45
08-5818	6	0.77	22.0	15.1	10.6	4.6	0.47	1.25	1363	0.5	0.5	2.70	2.59	6.8	27.5	498	11	32	30	1.2	26.5	25.4	0.5	5.9	110	0.6	1.0	4.7	4643	1.4	148.9	0.5	20.4	4.1	77	50	52
08-5819	5	0.79	19.0	11.5	12.4	5.0	0.53	1.23	1388	4	1.9	2.60	2.45	9.8	20.4	644	11	37	30	1.0	26.7	24.2	0.5	4.7	142	0.8	1.1	4.7	7385	2.3	166.8	1	19.4	3.8	70	50	49
08-5820	6	0.68	19.0	12.1	11.6	4.6	0.48	0.98	885	0.5	0.5	2.60	2.36	9.2	17.9	426	8	33	26	1.3	22.6	20.2	0.5	4.8	138	0.7	0.9	4.4	6404	1.7	149.4	1	16.7	3.6	64	50	49
08-5821	4	0.49	19.0	13.0	26.1	6.7	0.33	2.01	958	0.5	0.5	1.90	1.90	3.0	89.7	448	8	22	23	2.1	24.1	23.4	0.5	5.1	112	0.9	0.9	4.0	8286	1.2	170.6	1	14.9	2.3	66	50	42
08-5822	7	0.74	24.0	17.3	14.6	3.6	0.42	0.87	737	0.5	0.5	2.10	1.94	8.5	19.5	569	9	31	33	2.5	18.4	17.6	0.5	5.5	153	1.0	0.9	5.2	5240	1.8	120.0	0.5	14.5	2.8	47	50	54
08-5823	8	0.67	20.0	15.7	11.4	1.6	0.33	0.68	1350	0.5	0.5	1.90	1.96	8.5	18.4	675	11	33	27	2.9	14.6	15.9	0.5	5.6	129	1.0	1.1	6.4	4959	2.1	100.2	2	15.7	2.5	46	50	58
08-5825	5	0.93	16.0	9.4	13.2	22.5	0.31	0.28	379	0.5	0.5	1.20	1.18	9.7	7.2	568	16	45	53	1.3	10.3	9.8	0.5	3.0	61	0.8	0.5	8.2	3565	2.5	76.4	7	8.9	2.0	29	50	63
08-5826	6	0.72	25.0	19.3	10.4	2.7	0.56	0.80	1387	0.5	1.3	2.30	2.09	8.8	24.6	668	14	29	28	2.5	21.7	19.3	0.5	6.4	122	0.8	1.2	5.5	5236	2.2	129.4	1	19.0	4.3	73	50	56
08-5831	6	0.75	24.0	16.6	10.1	3.1	0.43	0.87	923	0.5	0.5	2.60	2.25	7.4	19.3	373	10	32	28	2.0	21.2	19.1	0.5	5.6	126	0.7	1.1	5.5	4432	2.7	125.8	2	17.4	3.9	56	50	53
08-5832	4	0.92	19.0	14.0	15.8	7.5	0.28	0.85	1440	0.5	1.2	1.80	2.00	7.8	18.2	612	15	46	48	1.2	16.9	20.0	0.5	4.8	119	0.7	0.8	4.5	4278	2.2	151.9	0.5	15.6	2.3	89	50	51
08-5833	4	0.50	16.0	14.0	7.6	3.4	0.30	0.81	472	0.5	0.5	2.10	2.38	5.8	14.3	212	8	21	18	1.3	16.0	17.8	0.5	4.1	136	0.5	0.7	4.6	3372	1.5	97.7	0.5	12.0	2.2	46	50	46
08-5834	6	0.59	22.0	15.2	17.0	10.9	0.39	0.82	1398	2	1.3	1.70	1.79	6.2	18.7	846	15	19	20	1.9	17.8	18.4	0.5	5.1	110	0.6	0.9	4.5	3219	3.0	119.3	0.5	16.5	3.1	75	50	47
08-5835	4	0.58	21.0	11.7	8.7	6.7	0.41	0.67	755	0.5	0.5	1.90	1.79	5.9	17.2	487	18	17	17	1.9	19.1	17.7	0.5	4.5	100	0.4	0.8	5.0	2863	1.6	115.0	0.5	10.9	3.2	83	50	45
08-5836	6	1.01	28.0	16.0	15.7	4.5	0.46	1.02	530	0.5	0.5	2.00	1.85	7.4	24.4	653	15	46																			

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 pct	Li1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Zn1 ppm	Zn2 ppm	Zr1 ppm		
08-5860	9.138	27.0	19.0	6.7	3.1	0.53	0.43	359	0.5	0.5	2.20	2.21	13.6	5.3	188	11	67	69	1.1	6.5	6.4	0.5	6.4	55	2.2	1.2	132	2271	2.5	398	2	19.0	3.9	29	320	75
08-5861	8.145	37.0	27.2	13.2	4.8	0.72	0.73	493	0.5	0.5	1.90	2.01	25.3	12.4	157	15	74	82	1.9	13.4	14.8	0.5	10.5	76	2.7	2.0	120	3037	4.5	100.2	2	36.9	6.1	53	200	83
08-5862	7.100	6.0	5.7	23.1	19.8	0.43	2.99	925	0.5	0.5	1.80	1.97	18.9	52.5	252	10	41	54	0.05	27.1	28.9	0.5	3.2	113	0.8	4.8	7433	0.9	197.5	0.5	31.2	3.2	71	210	59	
08-5863	5.065	20.0	12.2	17.6	12.4	0.42	0.67	992	4	3.9	1.50	1.48	10.9	21.1	927	13	30	34	1.9	18.2	17.8	0.5	4.1	111	0.9	0.8	5.3	6429	2.8	186.9	1	13.3	2.9	100	50	61
08-5864	6.072	19.0	10.9	11.5	7.8	0.32	3.64	368	0.5	0.5	1.50	1.49	5.4	4.3	282	7	35	42	0.7	13.1	13.2	0.5	3.5	85	0.6	0.6	4.3	3096	1.7	85.2	0.5	8.4	2.5	41	270	51
08-5865	5.067	17.0	10.9	17.0	9.8	0.37	0.64	836	2	2.1	1.60	1.55	8.0	16.6	716	10	29	31	1.1	15.2	15.1	0.5	3.9	95	0.6	0.8	4.5	3856	2.2	114.7	1	13.6	2.8	116	50	47
08-5866	5.081	17.0	11.9	13.4	2.6	0.37	0.78	669	2	2.3	2.00	1.81	5.8	10.5	267	14	49	51	0.8	17.4	17.7	0.5	4.0	113	0.6	0.7	4.1	2847	2.0	95.9	1	12.8	2.9	63	170	45
08-5867	5.103	20.0	12.2	15.0	3.9	0.35	0.77	425	0.5	0.5	1.90	1.90	5.5	10.5	192	13	32	32	1.2	17.3	16.8	0.5	4.1	109	0.5	0.7	4.6	2674	1.8	101.5	1	9.8	2.9	129	170	48
08-5868	5.072	15.0	11.5	16.9	5.6	0.28	0.77	572	0.5	0.5	1.80	1.78	6.5	19.5	250	16	29	33	1.2	15.5	16.3	0.5	3.3	112	0.6	0.6	5.1	3019	1.7	89.7	0.5	10.1	2.1	68	50	49
08-5869	3.066	10.0	6.4	29.7	26.3	0.22	0.57	587	1	1.5	1.00	1.00	12.7	20.9	543	16	36	52	1.3	13.3	14.7	0.5	1.9	75	0.6	0.25	4.8	4391	1.8	157.7	0.5	6.6	1.7	69	50	48
08-5870	5.059	17.0	11.1	11.4	5.9	0.43	1.41	1234	0.5	0.5	2.40	2.26	8.8	20.3	462	9	31	33	1.6	27.7	26.4	0.5	4.6	136	0.7	1.0	4.8	5919	1.6	161.2	1	14.5	3.7	75	220	40
08-5872	6.067	20.0	12.8	14.6	6.8	0.40	0.95	789	0.5	0.5	2.40	2.14	8.5	15.3	457	9	26	34	1.5	21.8	20.0	0.5	4.5	141	0.8	0.9	4.3	6430	1.7	143.9	2	15.5	3.0	50	210	49
08-5873	5.062	18.0	10.5	17.7	9.9	0.40	0.97																													

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
09-5008	9.055	25.0	20.8	17.8	6.5	0.47	1.83	1257	3	2.6	2.60	2.30	21.9	14.4	718	0.5	19	33	0.8	32.8	29.6	1.5	7.2	252	1.9	1.2	4.2	16956	1.9	273.1	1	27.1	3.7	79	50	41
09-5009	7.100	29.0	22.1	18.7	2.4	0.66	1.69	1329	1	0.5	2.50	2.00	13.5	34.0	1086	3	43	45	1.6	28.0	25.3	0.5	7.6	137	1.4	1.5	6.0	8699	2.8	184.6	1	29.6	4.7	92	50	52
09-5010	6.906	27.0	22.7	16.4	2.7	0.56	1.14	1654	0.5	0.5	2.30	2.05	9.8	26.2	792	6	44	39	1.9	21.1	20.5	0.5	6.6	135	0.9	1.3	7.0	6180	2.7	140.5	1	21.0	3.8	69	330	66
09-5011	7.076	28.0	21.0	14.4	2.2	0.50	1.06	1587	1	0.5	2.70	2.17	10.3	20.7	953	4	41	32	2.0	24.1	21.1	0.5	7.1	158	1.1	1.3	6.6	7698	2.8	149.5	2	24.7	3.8	71	50	65
09-5012	6.060	25.0	18.0	13.7	2.7	0.52	1.03	1498	0.5	1.2	2.40	2.20	9.1	18.2	767	3	24	28	1.6	24.5	23.5	0.5	6.8	147	0.9	1.4	6.3	6231	2.3	141.4	2	21.6	3.9	67	50	48
09-5013	6.080	24.0	18.0	10.0	1.8	0.53	1.08	1295	0.5	0.5	2.70	2.44	7.6	16.5	782	3	33	30	1.6	22.8	21.8	0.5	6.2	145	0.6	1.2	5.4	4983	2.0	147.9	0.5	21.6	4.0	71	50	46
09-5014	6.063	24.0	19.9	10.0	1.7	0.55	1.04	1405	0.5	0.5	2.70	2.48	8.7	16.1	799	2	24	22	1.5	24.7	23.6	0.5	6.7	155	0.8	1.3	5.0	7201	2.1	156.5	1	24.8	4.2	60	50	60
09-5015	5.052	21.0	15.6	6.6	1.2	0.53	1.03	1412	0.5	0.5	2.80	2.68	8.7	14.6	883	4	23	20	1.7	24.4	23.7	0.5	5.8	177	0.8	1.4	4.2	7949	1.6	166.3	2	24.9	3.8	67	200	41
09-5016	7.085	17.0	13.0	14.5	3.4	0.40	0.85	744	0.5	0.5	1.80	1.57	5.9	17.6	96	4	39	38	1.6	17.4	16.6	0.5	3.6	94	0.7	0.7	5.3	2819	1.7	116.6	0.5	12.3	2.6	60	250	53
09-5017	8.085	19.0	15.4	10.6	3.2	0.46	0.67	782	0.5	0.5	2.10	1.78	6.4	13.2	175	5	37	30	1.4	15.8	14.0	0.5	4.3	112	0.8	0.8	5.9	2938	2.1	102.9	1	15.1	2.7	45	350	60
09-5018	8.071	13.0	9.7	10.8	8.8	0.38	0.49	449	0.5	0.5	1.50	1.28	6.6	9.7	212	5	31	22	1.2	13.2	11.5	0.5	2.8	93	0.8	0.6	5.0	3590	1.9	114.7	0.5	11.5	2.6	61	50	56
09-5019	8.094	17.0	14.2	9.3	2.6	0.43	0.64	585	0.5	0.5	2.00	1.66	5.6	11.5	86	3	38	39	1.3	15.3	14.1	0.5	3.8	119	0.7	0.8	5.0	2930	1.7	93.6	0.5	15.7	3.0	38	220	67
09-5020	9.094	16.0	13.2	9.1	2.7	0.37	0.68	546	0.5	0.5	2.00	1.61	5.4	11.8	237	4	40	41	1.5	14.5	13.5	0.5	3.7	118	0.7	0.8	5.5	2964	2.0	89.3	0.5	14.5	2.6	41	310	58
09-5021	8.094	18.0	14.6	9.0	5.1	0.46	0.77	535	0.5	0.5	1.90	1.54	5.8	14.5	292	6	37	41	1.3	17.5	15.5	0.5	4.2	116	0.7	0.9	6.6	3175	2.3	99.0	0.5	17.1	2.8	52	50	62
09-5022	7.105	18.0	14.4	11.2	3.1	0.46	0.79	639	0.5	0.5	1.90	1.59	5.8	14.8	198	4	48	44	1.4	16.2	14.5	0.5	3.8	118	0.7	0.8	5.6	2969	2.0	94.1	0.5	15.0	2.7	45	260	60
09-5024	7.118	18.0	13.2	23.1	6.4	0.46	1.57	809	0.5	0.5	0.85	0.64	7.8	24.5	132	4	69	65	2.1	20.3	17.7	0.5	3.0	65	0.8	0.7	7.0	2913	2.1	123.9	0.5	10.6	2.8	79	210	57
09-5025	7.098	20.0	16.1	13.4	3.2	0.48	1.00	836	0.5	0.5	1.60	1.35	6.4	17.7	143	5	46	42	1.8	19.5	17.9	0.5	4.6	104	0.8	0.9	6.3	3115	2.2	117.8	1	17.0	3.3	57	50	60
09-5026	8.112	22.0	18.4	8.8	2.9	0.49	0.81	717	0.5	0.5	2.00	1.75	6.2	14.2	241	3	44	42	1.1	19.7	18.9	0.5	4.9	122	0.6	1.0	6.1	3313	2.0	106.8	0.5	20.6	3.5	48	50	68
09-5027	8.103	16.0	13.0	10.6	5.4	0.43	0.79	539	0.5	0.5	1.90	1.58	6.3	15.8	220	3	42	45	1.2	15.9	14.5	0.5	3.4	110	0.7	0.7	6.3	3239	1.9	100.1	0.5	14.3	2.8	48	260	68
09-5028	7.108	23.0	13.2	15.9	3.5	0.48	0.89	814	0.5	0.5	1.60	1.42	6.9	17.1	279	7	47	50	1.8	19.1	19.0	0.5	5.2	96	0.6	0.9	5.5	2888	1.8	123.5	0.5	19.6	3.6	69	50	56
09-5029	9.121	19.0	15.4	11.2	3.8	0.49	0.91	712	0.5	0.5	2.10	1.68	7.4	16.6	214	4	48	48	1.2	19.3	17.1	0.5	3.9	120	0.6	0.8	7.0	3353	2.4	107.0	1	16.9	3.4	55	50	78
09-5030	8.083	17.0	15.2	14.8	5.9	0.38	0.58	427	0.5	0.5	1.80	1.64	4.9	13.4	309	4	35	36	1.2	14.2	13.7	0.5	4.1	116	0.6	0.7	4.8	2492	2.0	74.9	1	16.3	2.8	42	50	47
09-5031	5.099	16.0	12.8	18.8	5.8	0.49	0.96	1043	0.5	0.5	1.90	1.45	6.3	18.4	170	3	37	41	1.3	26.9	23.5	0.5	4.3	91	0.6	0.9	4.2	3055	1.9	170.6	0.5	19.6	2.9	89	50	51
09-5032	9.104	21.0	16.0	10.5	2.3	0.46	0.78	649	0.5	0.5	2.30	1.65	6.0	12.7	366	5	40	42	1.5	18.6	15.4	0.5	4.4	118	0.7	0.8	6.0	2667	2.0	95.1	1	16.2	3.5	47	230	61
09-5033	9.117	22.0	17.5	11.2	3.1	0.50	0.86	772	0.5	0.5	2.10	1.72	7.1	15.3	180	5	50	46	1.3	20.1	18.2	0.5	5.0	133	0.9	0.8	6.5	3248	2.4	112.7	0.5	19.1	3.5	54	170	68
09-5034	7.102	15.0	11.8	12.0	3.3	0.39	0.79	753	0.5	0.5	1.90	1.58	5.4	12.3	243	5	44	41	1.2	16.4	14.4	0.5	3.1	121	0.6	0.6	4.6	2955	2.1	94.8	0.5	12.8	3.0	49	200	50
09-5035	7.074	15.0	12.1	9.8	11.0	0.36	0.51	361	0.5	0.5	1.60	1.30	5.3	10.2	253	0.5	28	31	1.1	13.4	12.0	0.5	3.3	94	0.4	0.6	5.0	2325	1.7	67.4	0.5	13.1	2.3	41	50	49
09-5036	9.101	18.0	14.3	8.7	1.8	0.42	0.67	613	0.5	0.5	2.10	1.70	5.3	11.3	295	5	39	37	1.3	14.8	12.8	0.5	3.9	127	0.7	0.7	5.0	2631	1.9	85.8	0.5	15.3	2.9	43	50	61
09-5037	9.120	25.0	20.6	12.5	2.8	0.56	0.89	772	0.5	0.5	2.10	1.65	7.5	15.8	183	5	53	47	1.4	19.5	17.2	0.5	5.8	134	0.7	1.1	7.0	3128	2.5	107.2	2	21.8	3.6	57	210	71
09-5038	8.120	25.0	19.7	15.1	2.9	0.54	1.00	1115	0.5	0.5	2.00	1.53	7.6	17.1	382	7	52	45	1.8	20.7	18.0	0.5	5.5	121	0.8	1.0	6.4	3161	2.2	107.6	1	21.6	3.7	67	50	65
09-5039	8.097	13.0	11.1	8.0	3.1	0.36	0.54	397	0.5	0.5	1.80	1.38	4.7	11.5	186	4	38	33	1.5	13.9	12.2	0.5	3.0	104	0.4	0.6	4.8	2198	1.6	73.6	1	12.5	2.6	36	50	55
09-5040	8.093	16.0	14.3	7.0	1.3	0.38	0.60	533	0.5	0.5	1.90	1.61	5.2	9.7	304	4	34	32	1.5	14.3	14.0	0.5	4.2	127	0.6	0.8	4.4	2429	1.6	88.7	0.5	20.3	3.0	49	250	62
09-5042	8.116	27.0	20.7	12.9	2.2	0.45	0.93	678	0.5	0.5	2.40	1.73	6.6	16.3	118	5	51	48	1.6	20.1	16.7	0.5	5.3	124	0.7	1.0	6.4	2858	2.1	101.5	0.5	18.8	3.3	54	50	62
09-5043	7.099	16.0	13.1	8.5	1.5	0.45	0.72	572	0.5	0.5	2.00	1.61	4.7	12.9	260	4	42	33	1.9	16.1	14.5	0.5	3.9	123	0.5	0.8	4.6	2656	1.7	97.1	0.5	16.3	2.5	42	180	55
09-5044	7.091	14.0	11.8	11.2	4.6	0.35	0.76	372	0.5	0.5	1.60	1.31	4.5	15.6	148	5	36	34	1.6	13.7	12.2	0.5	2.9	108	0.4	0.6	4.1	2399	1.7	86.3	0.5	12.4	2.2	37	50	54
09-5045	7.109	23.0	18.1	13.3	2.5	0.47	1.04	667	0.5	0.5	2.30	1.54	5.8	26.7	345	5	45	39	1.6	20.5	18.3	0.5	4.9	132	0.5	0.9	6.1	3047	1.8	105.2	0.5	19.9	3.1	49	200	62
09-5046	10.140	20.0	16.0	8.2	1.7	0.48	0.79	697	0.5	0.5	2.40	1.89	6.0	11.4	387	9	53	49	1.2	15.5	13.6	0.5	4.4	127	0.7	0.9	6.2	2823	2.2	87.7	0.5	18.0	3.8	52	180	73
09-5047	7.106	17.0	13.9	9.4	4.0	0.45	1.41	698	0.5	0.5	2.40	1.94	6.5	20.7	250	8	36	37	1.2	25.4	21.6	0.5	4.1	134	0.5	0.8	4.8	3463	1.7	141.0	0.5	17.2	3.2	74	50	75
09-5048	7.119	15.0</																																		

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
09-5075	8.112	16.0	13.4	7.2	4.7	0.44	0.78	446	0.5	0.5	2.50	2.24	5.8	16.7	143	3	39	0.5	17.9	16.2	0.5	3.5	150	0.5	0.6	7.2	3381	2.0	95.7	0.5	13.8	3.3	37	230	70		
09-5076	6.126	18.0	15.9	7.6	2.2	0.43	0.94	656	0.5	0.5	2.40	2.26	5.9	14.6	328	4	45	39	0.6	18.6	18.7	0.5	3.9	149	0.5	0.8	5.9	3132	1.7	102.7	0.5	17.2	2.9	42	190	59	
09-5077	7.124	19.0	16.1	6.5	1.9	0.46	0.87	635	0.5	0.5	2.50	2.45	5.7	13.2	303	3	42	34	0.5	17.4	17.4	0.5	4.0	146	0.5	0.8	6.0	3255	1.7	96.8	0.5	18.2	3.2	38	50	66	
09-5078	8.117	19.0	15.8	8.0	3.5	0.44	0.83	540	0.5	0.5	2.30	2.10	6.1	15.7	198	5	42	42	0.7	17.4	17.1	0.5	3.9	135	0.5	0.8	7.3	3340	2.3	98.1	0.5	16.9	3.0	43	290	67	
09-5079	11.150	19.0	16.0	6.8	2.0	0.57	0.95	745	0.5	0.5	2.70	2.46	8.9	15.2	300	7	56	46	0.7	22.0	20.8	0.5	4.8	149	0.7	1.0	6.5	4066	2.4	124.8	1	24.2	3.9	65	260	106	
09-5080	8.126	17.0	16.4	6.3	0.8	0.41	0.87	562	0.5	0.5	2.50	2.44	6.6	10.7	349	3	44	43	0.7	16.2	16.4	0.5	3.8	163	0.5	0.8	5.3	3384	1.9	100.1	0.5	20.6	3.1	48	260	73	
09-5082	7.098	23.0	19.3	13.5	2.8	0.41	0.94	1029	0.5	0.5	1.90	1.66	5.9	17.7	330	8	48	43	1.7	19.4	18.8	0.5	5.5	104	0.7	1.0	6.4	2839	2.0	118.3	2	19.9	3.1	58	50	55	
09-5084	8.197	25.0	18.6	12.6	1.8	0.50	0.86	770	0.5	0.5	2.20	1.76	5.1	16.5	282	8	46	37	1.7	19.1	16.5	0.5	5.6	111	0.6	1.0	6.0	2385	1.8	101.9	2	17.8	3.4	50	240	49	
09-5087	10.140	21.0	17.3	7.4	5.7	0.56	0.97	541	2	1.8	2.80	2.33	8.0	14.6	459	5	51	48	0.6	21.8	18.7	0.5	5.3	144	0.8	1.0	6.9	3923	3.0	114.0	1	24.1	4.0	56	230	89	
09-5088	8.113	17.0	14.3	6.8	1.5	0.44	0.90	647	0.5	0.5	2.60	2.17	6.9	11.9	376	4	43	32	0.8	18.3	16.3	0.5	3.9	157	0.6	0.8	5.4	3503	1.9	112.0	0.5	19.5	3.1	46	200	69	
09-5089	9.130	23.0	18.2	10.7	2.0	0.53	0.95	750	0.5	0.5	2.40	2.03	7.2	15.2	212	6	44	43	1.1	21.0	18.3	0.5	5.0	137	0.8	1.0	6.9	3360	2.3	119.1	0.5	20.9	3.7	56	260	78	
09-5090	8.116	16.0	13.9	9.0	5.8	0.44	0.90	610	0.5	0.5	2.30	1.86	6.8	17.0	361	4	55	44	3.6	18.7	16.9	0.5	3.7	132	0.6	0.7	7.0	3618	2.0	108.4	1	17.2	3.0	53	310	70	
09-5091	10.143	22.0	18.3	13.1	2.9	0.55	0.98	890	1	0.5	2.30	1.83	7.6	16.0	407	12	59	50	1.4	19.5	16.3	0.5	5.0	124	0.9	0.9	7.7	3330	2.4	112.5	0.5	20.7	4.3	63	50	77	
09-5092	8.107	17.0	14.6	8.0	2.7	0.41	0.66	660	2	1.3	2.10	1.76	6.6	13.6	263	4	40	37	1.1	17.8	16.5	0.5	3.7	125	0.6	0.7	5.6	3134	2.0	101.6	0.5	15.1	2.5	46	310	64	
09-5093	10.098	21.0	15.5	12.3	2.4	0.49	0.68	731	1	1.0	2.50	1.69	5.4	12.6	211	2	43	34	1.5	20.1	15.6	0.5	4.9	129	0.8	1.0	6.2	2988	3.9	87.4	0.5	19.8	3.5	39	270	60	
09-5094	9.097	18.0	14.0	8.4	3.2	0.47	0.73	735	0.5	0.5	2.00	1.57	5.6	12.3	303	4	36	36	1.4	16.7	14.3	0.5	4.1	115	0.6	0.7	5.5	2924	2.1	98.5	0.5	16.7	3.0	40	320	61	
09-5095	8.095	18.0	14.1	8.4	4.8	0.47	0.74	587	0.5	0.5	2.00	1.69	6.1	13.0	141	4	38	32	1.1	16.5	14.5	0.5	4.0	122	0.6	0.8	5.5	2997	1.9	96.8	0.5	17.9	3.4	38	200	58	
09-5096	8.078	18.0	12.8	10.2	14.0	0.42	0.60	437	0.5	0.5	1.70	1.31	6.1	10.3	292	4	32	33	1.2	15.9	13.3	0.5	3.7	101	0.7	0.7	5.9	3535	1.9	102.0	1	14.4	2.6	49	200	50	
09-5097	10.105	21.0	15.3	3.0	0.48	0.73	572	0.5	0.5	1.80	1.54	6.9	12.9	347	7	40	37	1.6	16.1	13.9	0.5	4.3	117	1.0	0.9	6.6	3069	2.1	101.8	0.5	16.6	3.1	48	270	53		
09-5098	8.089	27.0	19.3	13.4	3.2	0.59	0.84	739	0.5	0.5	2.10	1.77	5.7	17.4	207	6	41	41	1.7	22.4	19.2	0.5	6.0	101	0.5	1.1	6.2	2798	2.2	127.0	0.5	21.6	4.2	65	230	49	
09-5099	8.101	22.0	16.6	17.4	3.5	0.49	0.97	952	0.5	0.5	1.90	1.56	7.1	19.6	152	5	46	46	2.0	22.5	19.5	0.5	4.7	98	0.7	0.8	6.5	3021	2.5	129.6	0.5	15.1	3.0	67	240	55	
09-5100	8.104	27.0	21.1	13.0	2.4	0.55	0.91	961	0.5	0.5	2.20	1.64	6.3	18.5	426	10	43	44	1.7	22.3	19.2	0.5	5.2	107	0.6	1.0	6.6	2840	2.1	110.8	0.5	24.9	3.3	63	270	59	
09-5103	7.100	27.0	22.5	12.1	2.2	0.53	0.85	813	0.5	0.5	2.00	1.69	5.8	16.3	390	8	43	45	1.7	19.8	17.7	0.5	6.7	110	0.7	1.2	5.9	2584	1.8	99.3	0.5	24.9	3.3	59	50	54	
09-5105	8.085	25.0	19.7	9.2	1.4	0.50	0.69	640	0.5	0.5	2.10	1.77	5.0	12.1	257	6	35	34	1.5	17.3	15.1	0.5	5.7	111	0.8	1.1	5.6	2514	1.6	91.6	1	19.9	3.5	45	50	51	
09-5106	8.087	23.0	17.9	9.8	1.6	0.52	0.77	703	0.5	0.5	2.20	1.73	5.5	13.9	241	6	33	37	1.5	20.0	17.2	0.5	5.3	114	0.7	1.0	5.8	2638	1.9	96.5	1	18.8	3.3	47	50	54	
09-5109	9.080	18.0	13.8	8.1	1.1	0.42	0.66	560	0.5	0.5	2.10	1.88	4.7	10.3	317	4	28	32	1.3	14.7	13.6	0.5	3.9	123	0.6	0.7	4.9	2534	1.7	83.2	1	14.8	2.8	37	50	49	
09-5114	6.120	16.0	15.9	8.8	1.9	0.39	1.12	751	0.5	0.5	2.40	2.14	6.6	16.3	442	7	40	34	1.1	21.6	22.3	0.5	3.7	161	0.6	0.8	4.5	4026	1.6	137.1	0.5	19.3	2.9	78	190	85	
09-5115	7.126	18.0	16.3	8.9	1.7	0.50	0.99	717	0.5	0.5	2.30	2.08	7.3	13.8	458	11	43	40	1.1	20.1	20.0	0.5	4.6	165	0.6	0.9	5.1	3867	1.9	125.0	0.5	23.2	3.4	86	210	93	
09-5117	3.080	28.0	22.8	9.5	5.6	0.68	1.61	1941	0.5	0.5	2.50	2.20	7.7	22.0	891	36	31	30	1.4	31.9	30.4	0.5	7.5	103	0.4	1.4	7.7	4135	2.2	174.1	1	26.3	5.1	126	50	55	
09-5118	6.123	21.0	18.2	11.0	1.2	0.38	0.77	814	0.5	0.5	1.80	1.66	5.5	11.3	370	13	48	48	1.6	15.4	15.8	0.5	4.0	115	0.6	0.7	6.1	3143	1.7	91.7	1	16.4	2.8	42	200	65	
09-5120	5.064	27.0	21.8	7.3	2.6	0.63	1.06	1403	0.5	0.5	3.00	2.91	6.2	11.9	648	23	23	16	1.0	24.0	22.9	0.5	7.0	107	0.6	1.2	5.9	4891	1.5	129.6	0.5	18.5	4.6	104	190	63	
09-5121	6.102	24.0	20.5	13.9	2.0	0.52	0.90	832	0.5	0.5	2.60	2.31	5.6	10.3	607	8	15	18	0.8	17.7	16.3	0.5	4.5	117	0.5	0.9	4.9	3249	1.7	117.0	0.5	19.0	3.4	57	190	63	
09-5130	5.555	20.0	15.5	5.7	3.7	0.54	0.74	981	0.5	0.5	2.20	2.06	7.4	14.3	437	7	39	44	1.1	20.2	19.9	0.5	4.0	160	0.5	0.7	4.6	4013	1.6	124.7	0.5	21.0	3.3	79	170	90	
09-5125	7.119	17.0	15.7	8.4	1.6	0.45	0.99	663	0.5	0.5	1.80	1.75	5.4	19.1	482	13	27	30	2.0	19.5	20.1	0.5	4.2	120	0.5	0.8	4.1	3360	1.3	113.4	0.5	16.0	3.0	63	260	48	
09-5133	7.119	23.0	20.7	12.6	1.8	0.43	1.01	813	0.5	0.5	2.00	1.81	6.8	16.3	461	5	42	46	1.4	18.5	17.9	0.5	4.8	130	0.7	0.9	5.2	3750	1.8	108.0	0.5	21.6	3.3	51	260	74	
09-5135	8.096	16.0	15.1	8.4	1.4	0.31	0.62	595	0.5	0.5	1.80	1.67	5.4	9.4	290	4	35	38	1.4	13.0	13.2	0.5	3.6	117	0.7	0.6	4.4	3179	1.6	84.9	0.5	15.6	2.8	39	420	67	
09-5137	7.103	23.0	21.1	12.4	1.6	0.46	0.73	729	0.5	0.5	1.80	1.70	6.6	12.5	457	9	37	44	2.0	15.6	15.3	0.5	5.2	109	0.7	0.8	5.5	3425	1.6	91.6	0.5	20.7	3.3	52	300	71	
09-5140	6.079	18.0	14.2	12.0	4.0	0.34	0.72	592	0.5	0.5	1.90	1.77	5.5	16.2	336	5	25	35	1.2	16.1	15.0	0.5	3.7	108	0.5	0.7	4.9	3483	1.6	93.5	1	13.9	2.9	48	280	61	
09-5141	6.087</																																				

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
09-5177	4 0.19	10.0	7.3	8.7	11.6	0.32	8.50	1251	0.5	0.5	1.20	0.92	11.3	431.2	438	0.5	2.5	14	0.2	20.2	13.6	0.5	3.0	130	0.3	0.5	1.3	5948	0.5	120.2	0.5	14.7	2.2	93	50	58
09-5178	4 0.40	10.0	7.2	11.2	12.3	0.35	1.45	668	0.5	0.5	3.30	3.05	9.9	23.4	398	0.5	11	23	1.6	26.9	24.4	0.5	2.3	278	0.5	0.25	2.3	10096	0.9	577.2	0.5	13.7	2.3	45	50	33
09-5179	4 0.31	11.0	8.0	6.5	20.1	0.47	1.93	707	0.5	0.5	1.90	1.50	7.2	28.4	426	0.5	2.5	19	0.8	31.6	26.2	0.5	3.2	125	0.5	0.6	2.5	6748	0.7	201.7	0.5	18.4	3.3	49	50	33
09-5180	4 0.36	14.0	10.3	6.2	19.3	0.48	1.55	620	0.5	0.5	2.00	1.53	7.2	24.0	481	0.5	2.5	14	1.1	29.1	24.3	0.5	3.4	127	0.1	0.7	3.2	5606	1.0	184.9	0.5	17.1	3.2	42	50	36
09-5181	5 0.58	14.0	10.1	7.6	14.9	0.49	1.61	640	0.5	0.5	2.30	1.67	7.2	33.0	435	0.5	20	26	0.5	26.8	21.6	0.5	3.2	143	0.5	0.7	3.6	4800	1.0	146.0	0.5	15.8	3.0	42	50	38
09-5183	0.5 0.12	3.0	3.0	3.7	38.0	0.13	2.41	498	0.5	0.5	0.80	0.61	3.8	51.4	427	0.5	2.5	13	0.1	23.6	23.3	0.5	1.0	49	0.2	0.25	1.2	1975	0.2	106.6	0.5	6.0	0.3	37	50	14
09-5184	7 0.62	25.0	16.9	7.6	4.7	0.58	1.10	768	0.5	0.5	2.90	2.34	8.1	14.4	306	4	22	24	1.1	24.2	20.2	0.5	5.5	186	0.6	1.1	6.0	5622	1.9	132.5	0.5	19.3	3.7	48	50	50
09-5185	6 0.65	22.0	14.3	8.2	13.6	0.51	1.01	602	0.5	0.5	2.60	1.94	6.9	14.8	463	0.5	26	26	0.9	23.7	18.4	0.5	5.0	151	0.7	0.9	6.1	4445	1.5	109.6	0.5	18.7	3.1	46	50	43
09-5186	6 0.44	24.0	14.6	8.8	10.9	0.57	1.26	729	0.5	0.5	2.30	1.87	7.8	20.8	214	0.5	18	22	1.4	26.9	22.0	0.5	5.2	153	0.6	0.9	5.1	5745	1.5	136.1	2	16.5	3.6	45	50	44
09-5187	3 0.56	14.0	9.3	14.8	20.2	0.41	0.90	560	0.5	0.5	2.00	1.68	7.3	12.6	433	0.5	11	27	1.7	24.1	21.5	0.5	3.5	120	0.5	0.8	3.6	4184	1.5	129.7	1	13.0	3.0	52	50	36
09-5188	18 1.55	56.0	38.9	9.3	13.0	1.00	0.64	466	0.5	0.5	2.60	2.12	29.3	5.9	828	9	55	50	0.5	12.2	10.5	1.0	11.5	260	3.0	1.9	20.4	5156	5.0	56.3	1	30.6	6.5	46	50	83
09-5189	7 0.76	12.0	9.2	10.8	12.4	0.41	0.69	439	0.5	0.5	1.80	1.57	8.4	9.1	565	2	26	32	0.6	17.0	15.3	0.5	3.4	158	0.6	0.6	5.5	4897	1.8	111.8	0.5	12.7	2.7	45	50	48
09-5190	6 0.72	15.0	11.9	9.9	14.5	0.38	0.75	427	0.5	0.5	2.10	1.66	8.2	10.1	296	2	24	25	0.6	16.6	14.3	0.5	3.3	153	0.6	0.6	6.8	4110	1.6	88.6	1	13.9	2.6	41	50	47
09-5191	8 0.96	20.0	16.5	7.0	2.3	0.44	1.01	683	0.5	0.5	2.70	2.19	7.3	15.3	641	4	28	32	0.9	19.0	17.4	0.5	4.3	211	0.5	0.6	5.9	4276	1.8	106.4	1	19.2	2.7	45	50	50
09-5192	6 0.88	19.0	16.7	9.5	12.5	0.42	1.04	519	2	0.5	2.00	1.77	8.4	14.2	699	2	28	32	0.5	18.9	17.9	0.5	4.2	207	0.7	0.7	7.7	4154	1.9	131.9	1	15.0	2.0	44	50	45
09-5193	5 0.53	15.0	12.0	7.3	14.0	0.36	1.53	579	0.5	0.5	2.40	1.81	6.6	26.5	454	0.5	18	23	0.5	23.5	20.2	0.5	3.6	138	0.2	0.7	7.2	4031	1.6	128.5	0.5	14.2	1.9	45	50	34
09-5194	7 0.82	25.0	17.9	7.9	6.9	0.48	1.01	618	0.5	0.5	2.80	2.34	7.6	11.9	563	3	33	32	1.0	21.5	18.3	0.5	5.5	174	0.7	1.0	7.2	5117	2.1	119.9	0.5	17.7	3.3	47	50	47
09-5195	6 0.20	8.0	5.4	3.5	15.3	0.51	0.78	361	0.5	0.5	1.80	1.72	10.5	10.4	275	4	7	19	2.4	25.6	24.2	0.5	2.6	51	0.4	0.7	1.8	15428	0.6	534.5	0.5	15.7	3.3	27	50	29
09-5196	11 1.33	30.0	18.3	9.0	16.2	0.62	0.64	520	0.5	0.5	2.00	1.67	26.8	6.3	618	15	48	49	0.8	14.0	12.0	0.5	6.4	176	2.8	1.3	12.0	7912	3.3	129.3	0.5	16.6	4.2	36	50	63
09-5300	12 1.22	30.0	23.5	24.9	6.7	0.38	1.12	783	0.5	0.5	2.40	2.05	14.5	18.9	839	7	56	53	0.5	17.2	15.0	0.5	6.2	316	1.4	1.0	13.2	6604	3.3	104.1	1	15.7	2.1	69	50	54
09-5302	10 1.01	42.0	33.8	13.8	10.7	0.45	0.85	712	0.5	0.5	3.20	2.48	7.7	13.3	348	3	27	44	0.7	15.7	13.8	0.5	7.9	312	1.4	1.1	12.4	6275	3.5	92.8	0.5	21.9	3.2	51	50	49
09-5303	7 0.97	24.0	19.5	19.4	8.6	0.46	1.21	1615	2	1.3	2.10	1.94	13.0	15.4	1194	4	36	41	0.7	21.3	20.6	0.5	5.6	253	0.9	0.9	6.4	6830	2.2	141.9	1	19.9	3.2	82	50	52
09-5304	6 0.67	19.0	14.7	11.8	5.8	0.52	0.96	1100	0.5	0.5	2.50	2.16	8.5	11.5	565	6	28	20	0.8	21.3	19.8	0.5	4.4	189	0.6	0.9	4.6	5664	1.7	131.4	0.5	18.2	2.9	64	50	47
09-5305	5 0.62	19.0	13.8	9.3	7.1	0.47	1.05	634	0.5	0.5	3.00	2.48	7.7	13.3	348	3	22	35	0.8	24.5	21.3	0.5	4.6	140	0.5	0.9	5.3	4982	1.5	138.2	0.5	16.3	2.8	57	50	47
09-5306	8 1.13	26.0	20.2	11.3	3.5	0.49	1.17	929	0.5	0.5	3.20	2.52	9.4	17.4	660	7	47	35	1.0	23.1	20.0	0.5	6.2	186	1.0	1.2	8.2	5499	2.7	136.6	0.5	19.2	3.3	71	50	62
09-5307	5 0.59	21.0	15.0	6.9	10.1	0.46	1.28	788	0.5	0.5	3.00	2.29	7.8	15.5	560	4	14	28	0.9	28.1	23.1	0.5	4.9	140	0.4	0.9	6.2	5574	1.7	188.6	1	17.9	3.3	61	50	49
09-5308	5 0.50	23.0	16.1	4.6	8.3	0.55	0.83	504	0.5	0.5	3.00	2.49	6.9	8.9	345	5	20	22	0.8	22.4	19.4	0.5	5.0	140	0.6	1.1	6.1	5011	1.8	126.2	1	17.5	3.2	45	50	50
09-5310	5 0.64	21.0	14.7	8.3	10.0	0.55	1.26	649	0.5	0.5	2.90	2.23	7.3	18.8	452	2	26	27	0.8	24.8	20.4	0.5	4.9	145	0.6	1.0	5.6	4835	1.6	143.5	0.5	17.4	3.4	53	50	42
09-5311	5 0.58	16.0	12.9	6.3	23.0	0.43	1.20	555	0.5	0.5	2.00	1.64	9.2	15.5	812	0.5	20	25	0.6	22.2	19.8	0.5	4.0	126	0.5	0.7	4.9	5648	1.4	163.5	0.5	17.1	2.6	40	50	42
09-5312	12 1.28	35.0	27.2	12.7	3.3	0.67	0.81	772	0.5	0.5	2.80	2.25	13.5	11.5	902	8	43	45	0.8	16.6	14.4	0.5	7.7	260	1.7	1.2	11.0	5271	3.1	90.6	1	23.3	4.0	48	50	70
09-5313	11 1.30	30.0	24.3	12.7	3.9	0.56	0.88	945	0.5	1.2	2.70	2.32	11.5	12.6	910	8	52	55	0.7	16.0	14.6	0.5	6.5	266	1.5	1.2	10.0	5279	2.7	93.2	0.5	21.4	3.5	54	170	63
09-5317	5 0.42	14.0	10.9	8.3	12.9	0.50	1.48	739	0.5	0.5	2.50	1.91	8.3	24.9	417	0.5	13	16	1.7	29.4	23.7	0.5	4.1	141	0.4	0.9	4.2	5954	1.2	178.1	2	17.5	3.2	70	50	39
09-5318	3 0.26	8.0	7.0	5.9	17.3	0.43	1.89	764	0.5	0.5	2.00	1.52	6.9	30.6	468	0.5	9	21	0.7	33.9	27.9	0.5	3.1	133	0.3	0.8	2.4	5409	0.7	194.6	0.5	18.6	2.6	51	50	24
09-5319	5 0.57	18.0	13.2	7.8	6.1	0.54	1.86	717	0.5	0.5	2.70	2.08	7.3	43.3	281	4	18	23	0.8	27.8	22.4	0.5	4.7	149	0.5	1.0	5.2	4800	1.7	134.5	0.5	16.8	3.3	53	50	41
09-5320	8 0.77	21.0	13.4	9.1	8.6	0.56	1.57	985	0.5	0.5	2.60	2.05	9.0	24.9	855	2	28	39	0.6	27.1	22.4	0.5	5.3	209	0.7	1.0	5.8	6996	1.8	166.8	2	22.1	3.5	51	190	46
09-5322	6 0.51	20.0	14.8	7.1	5.7	0.58	1.51	879	0.5	0.5	2.70	2.22	8.5	19.6	188	0.5	18	23	1.1	28.0	23.1	0.5	4.8	168	0.6	0.9	5.1	6425	1.5	162.4	0.5	20.6	3.5	101	50	35
09-5323	4 0.64	14.0	10.9	8.7	7.1	0.35	1.00	540	0.5	0.5	2.70	2.21	6.5	17.6	165	2	21	25	2.1	19.5	16.5	0.5	3.0	157	0.5	0.6	5.0	4039	1.1	113.8	1	12.0	2.5	56	50	33
09-5324	9 1.17	36.0	21.8	11.9	5.9	0.51	0.46	437	0.5	0.5	1.50	1.15	7.6	5.3	122	6	41	44	2.1	20.5	17.5	0.5	5.6	123	0.9	0.9	7.9	5455	2.2	111.9						

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1	Mo2	Na1	Na2	Nb2	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn2	Zr1	Zr2
10-5013	9.157	17.0	15.5	5.3	2.5	0.45	0.94	643	0.5	0.5	2.30	2.23	8.5	7.5	393	0.5	57	58	0.7	14.4	15.1	0.5	3.8	178	0.7	5.5	4000	2.0	134.4	0.5	21.1	2.8	45	290	102		
10-5014	8.176	14.0	13.8	4.6	2.4	0.45	0.67	658	0.5	0.5	2.40	2.25	7.4	5.0	298	1	64	61	0.7	10.7	10.8	0.5	3.2	149	0.6	0.7	5.8	3282	1.9	101.4	0.5	19.1	3.0	38	260	97	
10-5015	9.168	13.0	12.6	4.9	2.6	0.44	0.74	522	0.5	0.5	2.30	2.19	8.1	6.1	218	0.5	59	62	0.6	12.0	12.6	0.5	3.0	162	0.7	0.6	6.1	3496	1.8	113.5	0.5	17.8	2.7	37	330	95	
10-5016	9.166	16.0	15.8	4.8	1.2	0.47	0.82	597	0.5	0.5	2.40	2.26	8.4	5.9	293	0.5	61	58	0.7	12.7	13.2	0.5	3.8	176	0.6	0.8	5.8	3685	1.9	127.9	0.5	20.2	3.1	39	360	94	
10-5017	8.125	16.0	15.1	4.8	1.7	0.41	0.89	618	0.5	0.5	2.50	2.36	7.5	6.3	344	1	45	46	0.7	15.0	15.5	0.5	3.8	173	0.5	0.8	4.9	3604	1.7	123.6	0.5	20.1	3.1	62	230	94	
10-5018	9.140	16.0	15.5	5.5	2.3	0.42	0.91	622	0.5	0.5	2.50	2.26	7.8	7.0	298	3	53	47	0.8	15.7	15.9	0.5	3.8	162	0.6	0.9	5.6	3622	1.7	126.1	0.5	20.4	2.9	78	270	101	
10-5019	6.086	14.0	14.6	6.3	2.4	0.32	0.83	631	0.5	0.5	2.60	2.61	5.9	6.0	199	0.5	26	27	1.1	14.7	14.7	0.5	3.8	155	0.3	0.8	3.7	3139	1.4	115.1	0.5	18.0	2.4	98	50	61	
10-5020	8.137	15.0	14.7	5.7	2.2	0.45	0.93	593	0.5	0.5	2.30	2.28	7.5	7.4	400	2	53	48	0.7	14.4	15.3	0.5	3.6	168	0.5	0.7	5.3	3735	2.1	112.4	0.5	19.5	2.6	55	200	94	
10-5022	15.216	26.0	24.8	7.3	1.6	0.82	0.43	685	0.5	0.5	2.50	2.45	13.9	2.7	468	7	74	77	0.5	8.9	9.1	0.5	6.3	105	1.1	1.4	10.0	4479	3.4	55.8	0.5	39.4	5.2	52	540	241	
10-5023	14.195	22.0	21.2	7.5	1.3	0.69	0.55	640	0.5	0.5	2.40	2.32	11.7	3.2	449	5	71	69	0.7	10.5	10.7	0.5	5.4	123	1.0	1.2	7.9	3998	2.7	76.4	0.5	32.5	4.5	52	420	181	
10-5024	13.175	17.0	16.4	7.2	2.0	0.64	0.74	544	0.5	0.5	2.30	2.18	10.8	5.3	252	2	66	66	0.6	14.4	14.7	0.5	4.3	130	0.9	1.0	6.8	3670	2.4	108.3	0.5	28.3	4.2	51	500	148	
10-5025	12.167	21.0	19.7	7.7	1.8	0.63	0.91	587	0.5	0.5	2.20	2.15	10.8	7.1	443	0.5	64	60	0.6	14.4	14.7	0.5	4.9	162	0.8	1.1	6.4	4224	2.3	115.8	0.5	29.2	3.9	51	520	146	
10-5026	13.177	28.0	25.3	8.2	1.0	0.81	0.87	677	0.5	0.5	2.30	2.23	11.6	5.7	433	3	67	64	0.6	14.5	15.5	0.5	7.0	146	1.0	1.4	6.7	4105	2.6	113.2	0.5	39.0	4.8	56	490	168	
10-5027	14.188	22.0	21.6	8.3	1.6	0.80	1.11	657	0.5	0.5	2.40	2.26	12.0	16.2	401	3	71	69	0.6	15.1	15.7	0.5	6.2	144	1.1	1.3	8.1	4197	2.9	104.0	0.5	33.5	4.9	55	450	187	
10-5028	13.170	22.0	20.2	7.3	1.4	0.67	1.25	763	0.5	0.5	2.50	2.14	10.6	16.0	444	1	70	65	0.6	17.4	17.1	0.5	6.2	175	0.8	1.2	7.4	3882	2.6	129.0	0.5	30.7	4.6	53	390	147	
10-5029	16.207	34.0	31.0	7.4	0.9	0.84	0.54	599	0.5	0.5	2.90	2.42	13.0	3.8	458	6	80	74	0.6	11.3	10.5	0.5	8.0	127	1.2	1.6	8.7	4303	3.5	72.6	0.5	41.3	5.8	55	590	208	
10-5030	13.195	21.0	19.4	8.8	2.6	0.81	0.65	537	0.5	0.5	2.50	2.25	11.5	5.5	284	5	77	73	0.5	12.4	12.4	0.5	6.5	116	1.0	1.2	8.8	4002	3.5	65.3	0.5	32.9	5.1	53	350	193	
10-5031	13.191	22.0	20.7	8.3	4.4	0.73	0.67	536	1	1.0	2.30	2.19	11.8	7.4	346	3	67	69	0.5	11.3	11.2	0.5	5.3	115	0.9	1.2	6.9	4224	2.9	129.9	0.5	29.0	4.0	48	410	153	
10-5032	12.161	23.0	20.4	5.7	1.5	0.67	1.06	676	0.5	0.5	2.40	2.18	10.1	8.7	303	0.5	60	61	0.6	17.4	17.5	0.5	5.3	172	0.8	1.0	6.7	4302	2.4	129.9	0.5	29.0	4.0	48	410	153	
10-5033	9.148	15.0	14.1	5.5	2.6	0.49	0.94	618	0.5	0.5	2.50	2.25	8.0	8.1	349	0.5	58	55	0.7	15.6	15.1	0.5	3.6	180	0.5	0.8	6.3	3796	1.9	118.0	0.5	20.2	3.0	41	300	99	
10-5034	7.097	14.0	13.5	4.1	1.7	0.39	1.05	645	0.5	0.5	2.40	2.27	6.4	9.5	373	0.5	36	31	0.7	16.8	16.6	0.5	3.2	234	0.5	0.6	4.0	4071	1.3	135.9	0.5	17.5	2.3	35	240	69	
10-5035	8.102	14.0	13.5	4.0	1.6	0.41	1.11	623	0.5	0.5	2.60	2.35	7.0	10.1	393	0.5	37	31	0.7	17.4	17.2	0.5	3.3	244	0.4	0.6	3.8	4468	1.5	135.9	0.5	18.6	2.3	35	50	70	
10-5036	8.106	13.0	13.4	4.4	2.0	0.39	1.04	580	0.5	0.5	2.50	2.32	6.8	9.1	342	0.5	37	37	0.7	16.3	16.4	0.5	3.1	222	0.4	0.6	4.0	4014	1.4	133.3	0.5	18.6	2.5	41	380	76	
10-5037	7.090	12.0	12.4	3.8	2.0	0.32	0.98	616	0.5	0.5	2.70	2.42	6.6	8.7	153	0.5	35	29	0.7	17.2	17.4	0.5	2.9	221	0.2	0.6	3.3	4195	1.3	133.5	0.5	16.9	2.3	38	310	67	
10-5038	7.085	13.0	13.5	3.8	1.2	0.33	1.27	721	0.5	0.5	2.40	2.39	7.3	11.0	451	0.5	28	28	0.7	17.9	20.3	0.5	3.5	260	0.4	0.7	3.2	4758	1.3	156.4	0.5	19.1	2.1	40	350	61	
10-5039	7.115	15.0	15.7	5.2	1.4	0.43	0.93	687	0.5	0.5	2.50	2.46	7.7	8.8	499	0.5	38	39	0.9	15.6	16.8	0.5	3.9	211	0.5	0.8	4.4	4489	1.6	122.7	0.5	21.3	2.6	41	220	89	
10-5040	7.095	13.0	13.7	3.9	2.0	0.36	0.89	560	0.5	0.5	2.40	2.44	6.5	7.9	166	0.5	37	31	0.8	15.5	17.0	0.5	3.4	214	0.3	0.7	3.5	4129	1.5	126.9	0.5	19.5	2.3	38	220	75	
10-5042	7.091	13.0	12.9	3.9	1.5	0.39	0.98	605	0.5	0.5	2.60	2.49	6.6	8.6	168	0.5	31	32	0.7	16.3	16.8	0.5	3.4	220	0.3	0.8	3.5	4332	1.2	130.1	0.5	18.0	2.7	39	360	64	
10-5043	8.108	19.0	19.4	11.5	1.2	0.39	0.93	624	0.5	0.5	2.60	2.52	7.5	9.1	422	0.5	48	35	1.2	15.9	16.4	0.5	4.8	224	0.6	0.9	4.1	4880	2.7	130.3	0.5	23.0	3.0	44	330	84	
10-5044	7.099	16.0	14.7	6.3	2.8	0.45	0.95	724	0.5	0.5	2.60	2.49	7.0	9.4	452	2	34	31	1.1	16.8	17.1	0.5	4.0	224	0.5	0.8	4.0	4761	1.5	131.5	0.5	22.1	2.9	47	50	73	
10-5045	7.101	16.0	14.6	6.8	1.3	0.40	0.89	701	0.5	0.5	2.70	2.53	6.3	12.2	381	0.5	38	30	1.3	17.3	17.0	0.5	3.7	204	0.3	0.8	4.4	4762	1.5	115.1	0.5	18.5	2.9	39	300	73	
10-5046	7.105	16.0	15.6	6.6	1.9	0.39	0.95	696	0.5	0.5	2.90	2.61	6.3	12.5	298	0.5	37	34	1.3	18.4	18.5	0.5	4.2	214	0.3	0.7	4.4	4976	1.6	118.8	0.5	21.3	3.3	43	50	76	
10-5047	7.095	15.0	15.2	10.5	1.6	0.34	0.87	602	3	2.2	2.50	2.34	6.5	12.8	271	0.5	27	31	1.2	16.4	16.6	0.5	3.6	205	0.4	0.8	4.0	5091	2.2	107.4	0.5	19.8	2.4	42	300	74	
10-5048	5.094	13.0	14.0	6.2	5.2	0.28	0.89	1083	0.5	0.5	2.40	2.35	6.3	11.4	456	0.5	33	31	1.1	15.1	17.1	0.5	3.6	204	0.4	0.8	3.9	4508	1.4	114.8	0.5	18.8	2.2	40	50	65	
10-5049	5.095	13.0	13.3	6.0	3.0	0.33	0.88	1120	0.5	0.5	2.50	2.43	5.9	12.9	340	0.5	35	30	1.3	16.2	17.4	0.5	3.3	202	0.4	0.7	4.1	4526	1.4	116.8	0.5	17.5	2.2	40	50	67	
10-5050	7.107	14.0	14.4	6.7	1.8	0.40	0.80	660	0.5	0.5	2.60	2.52	6.7	10.6	338	3	33	30	1.2	15.1	15.7	0.5	3.6	201	0.4	0.7	4.5	4509	1.5	103.2	0.5	19.1	2.3	52	360	80	
10-5051	8.114	17.0	17.2	9.3	5.7	0.47	0.78	684	0.5	0.5	2.70	2.74	7.7	13.5	582	0.5	39	37	0.8	13.8	14.0	0.5	3.9	179	0.6	0.9	5.7	5009	1.6	82.6	0.5	22.3	3.0	52	300	112	
10-5052	9.110	16.0	16.3	7.0	2.4	0.51	0.70	569	0.5	0.5	2.70	2.70	7.3	9.2	314	2	40	30	1.0	14.7	15.4	0.5	4.4	207	0.6	0.8	5.0	5208	1.8	96.6	1	22.5	3.0	43	290	116	
10-5053	9.119	18.0	17.7	6.9	1.2																																

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
10-5080	7.165	14.0	13.7	9.6	5.8	0.43	0.61		622	1	1.3	2.10	1.99	7.4	4.7	382	11	66	56	0.7	9.4	9.8	0.5	3.2	101	0.6	0.7	5.0	3202	2.0	566	0.5	19.8	2.8	133	270	91
10-5081	7.105	11.0	10.7	14.7	4.3	0.36	0.79		543	0.5	0.5	1.70	1.72	5.8	5.3	126	0.5	45	37	0.7	12.3	13.0	0.5	2.2	119	0.6	0.25	3.4	4197	1.3	71.4	0.5	12.2	2.1	55	300	73
10-5082	7.117	17.0	16.1	7.4	3.3	0.41	0.82		556	0.5	0.5	2.20	2.09	7.0	7.3	327	4	43	39	1.0	13.3	14.0	0.5	4.0	134	0.6	0.7	5.1	3409	1.8	89.9	0.5	19.4	2.7	62	200	81
10-5084	7.999	12.0	11.9	5.5	3.8	0.35	0.63		578	0.5	0.5	2.10	2.03	5.2	5.7	135	1	43	23	0.8	11.3	11.7	0.5	2.9	130	0.4	0.6	4.9	2800	1.4	68.9	0.5	14.5	1.9	42	280	71
10-5085	5.900	15.0	15.0	7.6	1.8	0.34	1.00		780	0.5	0.5	2.70	2.38	5.6	12.7	113	0.5	27	17	1.0	19.3	20.1	0.5	3.5	181	0.6	0.7	3.6	3809	1.2	126.1	0.5	16.3	2.6	41	270	61
10-5086	6.087	12.0	11.8	6.7	2.4	0.25	0.63		548	0.5	0.5	1.90	1.91	5.0	8.4	75	0.5	32	24	1.0	11.4	12.6	0.5	2.9	131	0.5	0.5	4.1	3212	1.3	73.9	0.5	13.3	1.7	39	250	65
10-5087	7.109	12.0	11.6	6.3	2.4	0.41	0.85		739	0.5	0.5	2.30	2.24	7.1	6.0	243	0.5	44	27	0.9	14.6	16.0	0.5	3.2	143	0.5	0.6	4.4	3381	1.4	113.0	0.5	14.8	2.8	55	240	79
10-5088	6.911	12.0	11.9	6.7	2.5	0.34	0.80		716	0.5	0.5	2.20	2.11	5.7	7.3	128	0.5	36	18	0.9	15.4	16.6	0.5	3.1	145	0.3	0.6	4.2	3346	1.4	103.5	0.5	13.5	2.4	45	200	66
10-5089	6.086	11.0	10.0	6.5	4.5	0.33	0.76		552	0.5	0.5	2.20	2.11	6.0	6.2	238	0.5	28	20	0.8	15.2	16.3	0.5	2.8	132	0.3	0.7	3.9	3137	1.2	95.2	0.5	13.6	2.0	48	50	61
10-5090	6.088	13.0	12.7	8.1	3.2	0.35	0.88		626	0.5	0.5	2.10	2.04	6.1	10.5	219	0.5	31	22	0.9	15.3	16.4	0.5	2.9	159	0.2	0.6	4.1	3666	1.2	100.5	0.5	14.2	2.1	43	200	64
10-5091	5.076	14.0	13.0	7.5	2.2	0.39	0.90		584	0.5	0.5	2.40	2.29	5.7	9.8	212	0.5	26	10	1.0	18.4	19.2	0.5	3.7	178	0.3	0.7	3.4	3796	1.2	103.6	0.5	16.2	2.4	56	50	57
10-5092	6.088	13.0	11.9	6.7	1.6	0.34	0.85		710	0.5	0.5	2.30	2.15	5.9	10.3	251	0.5	35	13	1.1	15.7	16.6	0.5	3.1	170	0.5	0.6	3.9	3569	1.2	108.6	0.5	14.5	2.2	47	230	62
10-5093	6.078	10.0	10.8	8.2	5.8	0.30	0.69		445	0.5	0.5	1.90	1.94	5.3	13.2	127	0.5	25	14	0.7	13.3	14.2	0.5	2.4	136	0.4	0.6	4.5	3081	1.3	92.7	0.5	11.9	1.5	51	50	59
10-5094	8.148	13.0	14.1	7.2	6.2	0.44	1.01		605	0.5	0.5	2.10	2.02	9.3	10.9	203	0.5	48	56	0.6	15.7	17.5	0.5	3.6	177	0.6	0.8	6.1	4426	2.0	144.1	0.5	22.3	3.1	50	50	110
10-5095	10.211	10.0	9.6	6.4	4.1	0.42	0.36		299	1	1.2	2.20	2.17	7.7	2.2	85	9	83	74	0.7	6.1	6.2	0.5	2.2	75	0.8	0.5	5.7	2793	2.6	46.3	0.5	16.3	2.3	40	370	123
10-5096	10.184	11.0	10.9	8.8	7.5	0.48	0.35		315	2	1.9	2.00	1.91	8.3	1.7	121	5	69	67	0.6	7.1	6.9	0.5	2.6	65	0.9	0.6	7.0	3013	4.4	46.4	1	17.1	2.7	48	330	125
10-5097	11.202	10.0	9.7	7.7	6.1	0.51	0.39		488	1	0.5	2.10	2.08	9.2	2.1	100	3	81	73	0.6	6.6	6.8	0.5	2.6	68	1.0	0.7	6.4	3161	3.0	50.1	0.5	19.6	3.4	55	420	137
10-5098	20.199	12.0	11.2	6.2	9.6	0.77	0.32		419	1	0.5	2.00	1.93	14.1	2.1	209	7	83	78	0.3	6.3	6.4	0.5	3.3	56	1.4	1.0	12.1	3347	4.2	50.7	0.5	28.1	4.9	53	410	230
10-5099	16.236	10.0	9.3	6.4	3.9	0.78	0.28		387	1	0.5	2.30	2.22	12.6	1.8	205	8	100	98	0.3	4.8	4.7	0.5	2.9	55	1.3	0.7	13.0	3048	4.3	40.0	0.5	24.5	4.7	53	440	216
10-5100	18.240	11.0	12.0	7.7	2.9	0.83	0.27		428	0.5	1.1	2.40	2.36	13.7	1.6	143	7	97	123	0.3	5.8	5.8	0.5	3.0	64	1.5	0.9	13.2	3657	4.4	45.4	0.5	27.5	4.7	54	530	242
10-5102	14.204	11.0	12.6	6.1	11.1	0.65	0.25		390	1	0.5	2.00	2.02	12.4	1.0	232	8	69	105	0.2	5.1	5.0	0.5	3.0	55	1.2	0.8	10.6	3385	3.5	45.7	0.5	26.9	4.2	48	440	209
10-5103	14.219	8.0	8.3	5.5	8.6	0.67	0.33		1150	2	1.0	1.50	1.36	13.5	0.5	128	5	91	111	0.3	4.3	3.9	0.5	1.9	60	1.1	1.5	15.7	5283	3.0	91.7	0.5	19.6	3.8	37	500	174
10-5104	9.140	19.0	22.5	11.3	20.2	0.63	0.21		361	0.5	0.5	1.90	1.82	11.1	2.3	867	6	56	63	0.7	10.0	10.0	0.5	2.7	103	0.6	0.6	6.6	3457	2.0	69.5	0.5	17.6	2.8	46	280	116
10-5105	13.172	9.0	9.1	6.5	7.4	0.54	0.56		463	1	0.5	1.90	1.81	10.3	5.1	119	5	59	67	0.7	10.0	9.9	0.5	2.1	106	0.9	0.6	4.8	4796	2.1	89.2	1	19.1	3.4	32	480	146
10-5106	6.057	17.0	17.9	10.0	52.3	0.45	0.17		167	0.5	1.4	0.47	0.45	11.2	1.9	572	3	21	24	0.3	7.1	6.8	0.5	4.0	26	0.9	0.9	9.4	4773	2.2	52.1	0.5	22.4	2.6	48	50	124
10-5107	10.143	12.0	12.7	12.7	15.2	0.51	0.57		809	0.5	0.5	1.70	1.63	9.6	9.2	462	7	44	66	0.5	11.9	12.2	0.5	2.8	102	0.8	0.5	6.1	4735	2.2	91.0	0.5	18.2	2.9	66	370	108
10-5108	8.111	13.0	13.2	8.6	19.4	0.41	0.70		493	0.5	0.5	1.70	1.56	8.1	8.9	525	1	32	44	0.4	15.9	15.4	0.5	3.5	113	0.5	0.7	5.3	4027	1.5	98.8	0.5	19.6	2.8	52	50	93
10-5109	7.107	13.0	15.1	9.2	26.0	0.31	0.53		385	2	0.5	1.50	1.42	8.2	6.3	581	3	31	41	0.3	11.8	12.0	0.5	3.2	113	0.6	0.6	5.9	4416	2.4	87.4	1	18.9	2.3	46	390	88
10-5110	10.161	12.0	12.4	7.1	11.5	0.47	0.49		386	1	0.5	1.90	1.81	8.4	4.7	262	6	56	63	0.7	10.0	10.0	0.5	2.7	103	0.6	0.6	6.6	3457	2.0	69.5	0.5	17.6	2.8	46	280	116
10-5111	8.168	36.0	33.8	16.8	2.9	0.68	1.24		702	2	1.4	2.40	2.13	11.1	22.3	867	8	61	80	0.7	19.2	19.1	0.5	7.4	227	1.0	1.2	7.7	5658	5.4	115.7	1	35.5	4.0	80	330	122
10-5112	11.085	15.0	17.3	11.1	28.3	0.38	0.61		586	1	0.5	1.20	1.14	12.6	10.1	700	0.5	26	37	0.3	14.9	14.5	0.5	3.6	107	0.6	0.7	7.3	6709	2.2	160.8	0.5	22.1	2.6	60	370	128
10-5113	15.251	19.0	21.3	26.5	18.2	0.43	0.78		569	1	1.5	1.60	1.53	11.4	15.0	940	17	53	73	0.4	12.3	12.6	0.5	4.4	137	0.8	0.8	6.1	6156	2.0	104.0	0.5	21.5	2.6	99	290	107
10-5114	14.731	12.0	14.2	9.7	10.4	0.42	0.66		538	0.5	0.5	1.80	1.87	11.9	6.4	315	3	56	58	0.4	11.1	13.0	0.5	3.7	104	0.9	0.7	7.5	5020	2.4	103.8	0.5	23.6	3.1	55	420	145
10-5115	16.231	19.0	19.6	6.2	1.6	0.72	0.52		440	0.5	1.1	2.50	2.37	10.4	3.7	186	4	89	75	0.4	8.6	9.2	0.5	4.9	113	1.3	1.1	8.3	3595	3.4	55.3	0.5	27.9	4.7	46	490	178
10-5116	16.215	21.0	20.3	4.6	7.5	0.75	0.33		350	0.5	1.0	2.40	2.25	10.6	2.8	196	4	74	73	0.3	5.7	5.6	0.5	5.0	60	1.1	1.2	9.5	2940	3.6	34.7	0.5	30.5	5.3	41	520	190
10-5117	5.087	85.0	80.6	4.8	45.4	0.80	0.27		255	3	1.8	0.40	0.87	10.3	1.8	593	39	16	22	0.2	7.8	8.1	0.5	18.0	38	0.8	3.3	16.2	2892	5.1	56.3	1	80.2	6.1	47	490	95
10-5118	15.225	11.0	8.2	4.8	4.1	0.71	0.32		363	1	0.5	2.40	2.06	12.3	1.9	122	4	100	80	0.2	4.9	4.3	0.5	3.1	49	1.2	0.8	11.2	2789	3.6	38.7	0.5	21.7	4.3	45	470	195
10-5119	17.196	14.0	12.0	4.5	9.1	0.77	0.35		409	1	0.5	2.10	1.82	12.9	1.9	208	11	85	50	0.2	5.5	4.9	0.5	3.7	52	1.3	1.1	11.9	3391	3.9	48.3	0.5	24.0	4.7	48	550	

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Yr-Sample Number	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1	Mo2	Na1	Na2	Nb2	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn2	Zr1	Zr2
10-5148	20	3.09	18.0	16.5	8.5	3.2	1.10	0.16	364	2	1.4	2.70	2.67	17.4	1.2	160	13	120	93	0.2	3.0	2.6	0.5	4.6	31	1.4	1.2	16.5	2463	5.4	19.1	0.5	39.9	6.5	64	540	281
10-5149	14	2.12	15.0	16.3	5.6	11.1	0.67	0.40	496	0.5	0.5	2.00	1.94	13.8	3.1	311	11	64	65	0.4	7.7	7.6	0.5	4.1	95	1.0	1.0	10.1	5103	2.9	62.9	1	24.1	3.9	44	420	153
10-5150	16	2.55	23.0	23.0	5.9	3.6	0.86	0.41	422	2	0.5	2.70	2.70	12.4	4.0	301	5	88	68	0.3	6.7	6.6	0.5	5.6	84	1.3	0.9	8.6	4068	3.4	34.0	0.5	33.9	5.6	48	470	186
10-5151	14	1.86	15.0	14.5	5.3	14.2	0.79	0.27	384	0.5	1.1	2.00	1.85	14.2	3.2	469	13	56	54	0.3	6.7	6.3	0.5	3.9	54	0.9	0.9	11.6	4068	3.3	52.6	1	26.6	4.7	43	600	191
10-5152	13	2.27	13.0	13.4	7.2	7.7	0.61	0.34	380	0.5	0.5	2.00	2.26	12.5	4.3	260	11	74	65	0.3	7.2	7.5	0.5	4.2	71	0.8	1.0	11.2	3487	3.0	53.6	0.5	24.8	4.1	48	300	159
10-5153	17	1.93	9.0	9.8	4.5	13.1	0.70	0.25	483	2	0.5	1.60	1.71	16.4	2.4	283	10	65	54	0.3	5.4	5.0	0.5	2.2	57	1.3	0.7	7.7	6211	3.5	77.8	0.5	22.8	4.4	38	480	237
10-5154	27	3.27	10.0	9.6	5.5	3.0	0.75	0.22	489	4	4.5	2.40	2.47	18.8	1.3	68	11	76	69	0.1	4.2	3.4	0.5	2.4	79	1.4	0.6	4.2	6466	3.0	21.8	0.5	18.5	4.9	37	990	174
10-5155	15	2.36	22.0	21.6	5.4	11.6	0.67	0.54	653	2	1.1	2.10	2.26	19.9	4.1	240	9	57	52	0.1	8.4	7.7	0.5	3.0	100	1.5	0.6	4.8	9412	2.4	71.1	1	21.1	4.4	51	680	146
10-5156	15	2.36	22.0	21.6	5.4	11.6	0.69	0.34	427	0.5	0.5	2.20	2.21	12.0	2.7	321	2	60	55	0.1	6.3	6.2	0.5	4.8	91	0.8	0.9	7.6	3680	2.0	44.0	0.5	21.9	3.5	43	510	93
10-5158	12	1.83	16.0	17.5	5.1	13.2	0.52	0.48	515	0.5	0.5	2.10	2.25	13.3	5.3	365	0.5	46	47	0.2	8.4	8.9	0.5	4.0	128	0.8	0.6	6.3	5057	1.9	77.2	0.5	21.7	3.7	41	390	101
10-5159	19	2.30	16.0	16.3	4.9	3.3	0.82	0.66	681	0.5	0.5	2.70	2.88	13.6	7.2	317	0.5	62	53	0.1	10.1	10.7	0.5	4.9	119	0.9	1.0	6.7	5123	2.4	74.4	0.5	26.0	4.7	54	680	141
10-5161	20	2.74	20.0	21.2	4.4	6.1	0.53	0.45	544	0.5	0.5	2.50	2.67	12.8	5.4	312	0.5	82	60	0.1	7.3	7.4	0.5	5.4	89	1.0	1.1	6.7	4636	2.7	37.1	0.5	27.0	3.8	47	550	138
10-5162	20	2.10	22.0	23.0	4.3	16.7	0.63	0.34	703	1	0.5	2.10	2.31	18.9	1.0	347	5	55	50	0.1	8.7	8.6	0.5	5.2	85	1.3	1.1	7.7	7565	2.8	45.1	1	28.6	4.4	52	440	146
10-5163	24	2.82	22.0	20.9	5.6	5.6	0.76	0.33	592	0.5	0.5	2.40	2.59	15.8	2.0	210	3	72	65	0.1	6.6	6.5	0.5	5.0	77	1.3	1.1	9.2	4563	3.4	47.3	0.5	28.9	5.7	58	760	184
10-5164	16	2.55	22.0	21.4	4.6	13.4	0.68	0.18	374	0.5	0.5	2.20	2.25	14.7	0.5	359	5	75	62	0.1	3.8	3.8	0.5	5.3	43	1.1	1.1	11.4	3050	3.2	26.5	0.5	29.6	5.2	49	340	164
10-5165	12	2.31	19.0	19.6	4.2	25.1	0.62	0.12	301	2	2.4	1.70	1.74	15.2	0.5	349	9	69	67	0.2	2.7	2.5	0.5	4.3	28	1.2	0.9	12.7	2776	3.2	26.5	1	25.3	3.9	43	50	133
10-5166	19	2.54	54.0	50.7	5.6	6.0	1.60	0.14	825	4	2.4	2.20	2.34	24.1	0.5	126	9	90	75	0.2	3.2	3.0	0.5	15.0	35	1.3	3.4	10.2	2303	5.9	20.4	0.5	129.7	11.0	67	570	235
10-5167	17	2.78	21.0	21.1	8.0	5.5	0.72	0.23	436	2	1.6	2.60	2.64	17.2	2.1	311	12	110	82	0.2	4.6	4.1	0.5	5.6	61	1.5	1.2	10.5	4541	4.2	30.8	0.5	34.3	5.3	57	520	255
10-5168	15	2.52	15.0	15.1	7.3	3.1	0.74	0.22	430	1	1.0	2.50	2.55	15.0	1.8	160	8	95	74	0.2	5.5	5.2	0.5	4.1	67	1.2	1.0	11.2	3815	3.9	33.7	0.5	30.1	5.3	51	470	242
10-5169	19	1.79	13.0	12.8	6.8	4.8	0.94	0.20	569	0.5	0.5	1.30	1.39	16.9	1.0	139	3	73	54	0.6	10.0	10.4	0.5	4.5	115	1.1	0.9	8.5	5725	4.0	37.2	0.5	36.7	6.7	39	560	339
10-5170	14	2.04	18.0	18.4	7.1	2.1	0.59	0.51	530	0.5	0.5	2.30	2.37	11.9	5.7	48	4	73	54	0.6	10.0	10.4	0.5	4.5	115	1.1	0.9	8.5	4729	3.1	66.6	0.5	27.2	3.7	44	630	199
10-5171	9	1.61	13.0	13.8	5.5	4.5	0.49	0.78	496	0.5	0.5	2.10	2.25	9.4	8.2	242	0.5	54	55	0.6	14.3	15.6	0.5	3.9	155	0.4	0.7	6.9	4103	2.3	110.2	0.5	20.7	2.9	36	400	123
10-5172	4	1.14	18.0	17.2	16.1	3.6	0.36	0.84	1135	1	0.5	1.90	1.99	9.3	23.9	447	8	49	46	1.1	15.8	16.8	0.5	3.7	146	0.7	0.8	5.9	4394	1.9	101.7	1	16.0	2.2	56	500	72
10-5173	5	1.10	18.0	17.2	15.9	4.5	0.33	0.85	936	2	1.2	2.00	2.07	8.8	26.8	459	12	45	47	1.2	15.2	16.0	0.5	3.7	148	0.6	0.7	6.0	4401	1.9	103.8	0.5	16.1	2.0	61	50	78
10-5174	6	1.27	18.0	16.4	10.1	1.5	0.38	0.72	690	0.5	0.5	2.40	2.43	7.3	12.8	309	2	44	37	1.0	14.9	15.1	0.5	3.8	176	0.4	0.7	4.6	4380	1.7	89.6	0.5	17.5	2.5	38	330	75
10-5175	5	1.23	16.0	14.3	13.0	2.1	0.37	0.81	1014	0.5	0.5	2.30	2.24	7.3	20.1	409	2	44	46	1.0	15.9	16.0	0.5	3.5	165	0.5	0.7	5.0	4110	1.9	94.1	0.5	15.6	2.3	51	50	71
10-5176	5	1.03	16.0	15.3	16.0	4.4	0.34	0.72	690	0.5	0.5	2.10	2.09	8.0	18.3	195	1	45	43	0.9	13.6	14.2	0.5	3.1	150	0.5	0.5	5.2	4406	1.8	81.1	0.5	13.1	1.8	46	220	73
10-5177	5	1.06	20.0	18.9	13.2	2.5	0.40	0.72	1189	0.5	0.5	2.20	2.19	9.1	18.7	478	5	43	41	1.1	16.1	17.0	0.5	4.4	157	0.6	0.8	5.2	4722	1.9	93.0	0.5	18.0	2.7	50	200	77
10-5178	5	1.01	17.0	16.7	16.2	4.6	0.34	0.72	955	0.5	0.5	1.90	1.98	8.7	18.2	279	4	37	42	1.0	13.3	14.2	0.5	3.4	145	0.5	0.6	5.4	4503	1.7	89.6	1	14.7	2.1	48	50	73
10-5179	5	1.07	19.0	17.4	13.0	2.9	0.36	0.70	1428	0.5	0.5	2.20	2.10	8.4	15.9	548	4	42	46	1.0	16.5	16.4	0.5	4.1	159	0.6	0.8	5.3	4705	1.9	90.3	0.5	17.6	2.5	50	50	72
10-5181	5	1.11	17.0	14.7	13.0	4.3	0.38	0.75	1207	0.5	0.5	2.20	2.17	7.5	15.5	503	4	38	46	0.7	16.9	16.1	0.5	3.8	172	0.5	0.8	5.9	3886	1.9	87.1	0.5	17.7	2.9	58	50	59
10-5182	5	0.96	19.0	14.9	19.9	8.5	0.28	0.69	1989	1	1.1	1.70	1.70	6.8	16.2	304	0.5	42	47	1.0	14.7	14.5	0.5	3.5	117	0.6	0.8	5.9	3282	1.9	92.0	0.5	12.8	2.3	61	50	58
10-5183	5	0.91	21.0	16.5	13.4	2.7	0.35	0.66	1233	0.5	0.5	2.10	2.10	7.4	19.4	448	4	31	43	1.1	15.3	14.6	0.5	4.1	145	0.6	0.8	5.6	4066	2.1	89.6	0.5	16.5	3.0	57	50	60
10-5184	5	0.90	19.0	14.8	22.5	5.2	0.38	0.69	1409	0.5	0.5	1.90	1.91	7.0	17.5	687	4	47	51	1.2	15.9	15.2	0.5	4.1	134	0.4	0.8	5.4	2989	1.8	96.5	1	16.5	3.0	69	50	51
10-5185	5	1.04	21.0	15.7	18.5	4.8	0.33	0.71	1245	0.5	0.5	1.90	1.88	6.4	20.2	282	6	50	48	1.1	14.5	14.0	0.5	3.5	135	0.6	0.7	6.0	3285	1.9	97.6	0.5	12.5	2.4	66	50	61
10-5186	4	0.91	22.0	18.3	19.4	6.3	0.31	0.71	1058	1	0.5	1.70	1.74	7.2	18.2	311	0.5	42	48	1.0	14.3	14.4	0.5	4.0	125	0.5	0.8	5.7	3138	1.8	87.7	0.5	16.4	2.3	58	50	57
10-5187	4	0.97	21.0	15.9	19.5	6.6	0.29	0.72	1105	1	0.5	1.70	1.74	6.8	18.4	467	3	39	45	1.0	14.7	14.4	0.5	3.8	115	0.6	0.6	5.8	3425	1.8	94.1	0.5	13.2	2.2	54	50	61
10-5188	5	0.97	21.0	16.4	19.3	4.7	0.32	0.67	1165	0.5	0.5	2.10	1.89	6.8	17.1	407	3	44	44	1.1	16.0	15.0	0.5	4.4	131												

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
10-5216	5.086	20.0	14.1	20.7	6.4	0.33	0.59	825	1	0.5	1.70	1.71	5.7	15.4	321	0.5	39	40	1.0	13.0	12.7	0.5	3.7	119	0.7	0.7	5.6	2619	1.9	760	0.5	11.6	2.0	50	50	51	
10-5217	5.082	15.0	11.5	17.3	6.0	0.27	0.59	794	0.5	0.5	1.90	1.72	5.4	14.0	265	2	33	42	1.0	15.2	14.6	0.5	3.0	131	0.6	0.6	5.4	2661	1.8	791	0.5	11.2	2.1	45	50	50	
10-5218	4.107	18.0	16.5	18.6	4.1	0.25	0.73	1399	0.5	0.5	1.60	1.73	6.2	18.1	423	8	44	46	1.4	12.6	14.9	0.5	3.9	129	0.6	0.7	5.7	2772	2.2	997	0.5	13.1	1.8	56	50	52	
10-5219	4.113	21.0	16.2	26.3	7.5	0.33	0.70	1821	0.5	0.5	1.50	1.50	5.6	18.4	371	9	47	50	1.3	13.7	14.6	0.5	4.0	110	0.6	0.7	5.6	2333	2.1	100.3	0.5	11.3	2.3	63	50	50	
10-5220	8.144	16.0	15.8	8.2	3.0	0.43	0.90	601	0.5	0.5	2.20	2.11	7.7	12.8	384	24	45	48	0.6	17.1	17.8	0.5	3.7	176	0.5	0.7	5.4	3473	1.9	102.2	0.5	19.8	3.1	68	50	96	
10-5222	7.134	20.0	19.1	8.5	2.2	0.49	0.80	624	0.5	0.5	2.50	2.17	7.2	8.5	264	18	42	41	0.6	16.7	16.6	0.5	4.4	183	0.5	0.8	5.5	3280	2.0	88.2	0.5	22.8	3.0	57	250	95	
10-5223	8.140	16.0	17.1	7.8	1.5	0.39	0.79	554	0.5	0.5	2.10	2.29	7.9	9.0	313	29	51	48	0.9	13.3	16.7	0.5	4.3	176	0.8	0.9	5.9	3642	2.3	97.7	0.5	21.4	2.6	67	340	108	
10-5224	9.086	14.0	12.4	8.0	1.3	0.36	0.68	567	0.5	0.5	1.60	1.54	6.4	10.5	304	7	40	33	1.9	13.0	13.4	0.5	3.7	115	0.6	0.7	4.7	2969	1.6	94.3	1	15.0	2.3	90	50	61	
10-5226	9.086	21.0	17.2	12.8	1.2	0.38	0.61	622	0.5	0.5	1.80	1.61	6.4	9.4	424	15	37	28	2.1	14.0	13.7	0.5	4.2	99	0.5	0.7	5.8	2788	1.9	77.2	1	13.7	2.5	43	50	71	
10-5227	10.198	15.0	13.0	6.9	1.2	0.48	0.49	562	0.5	0.5	2.70	2.45	7.8	4.4	337	2	70	68	1.1	10.9	10.2	0.5	3.5	99	0.9	0.7	6.9	2905	2.3	640	0.5	19.3	3.1	39	200	103	
10-5230	14.232	20.0	18.1	6.2	0.9	0.77	0.42	479	0.5	0.5	2.90	2.64	10.5	2.6	339	5	92	87	0.6	8.9	8.0	0.5	4.9	89	1.2	1.1	9.4	3100	3.7	55.2	0.5	29.4	5.0	54	330	178	
10-5232	8.066	18.0	17.6	10.5	1.4	0.32	0.62	664	0.5	0.5	1.10	1.15	7.5	11.4	264	19	26	20	2.3	12.1	14.3	0.5	4.4	92	0.6	0.7	4.2	3039	1.8	75.3	0.5	17.0	2.0	87	230	56	
10-5233	10.090	23.0	21.2	12.5	2.0	0.42	0.79	584	0.5	0.5	1.30	1.19	9.6	17.7	531	8	37	37	1.9	15.3	16.4	0.5	5.1	110	0.8	0.9	5.6	4222	2.0	100.1	0.5	20.0	2.8	54	220	72	
10-5235	8.094	23.0	20.2	10.4	1.7	0.54	0.66	842	0.5	0.5	1.60	1.47	7.9	9.3	544	20	34	28	1.9	15.0	14.9	0.5	5.1	99	0.6	0.9	6.1	3555	2.2	69.9	1	14.7	3.3	94	50	70	
10-5238	7.089	24.0	20.7	10.6	1.5	0.48	0.70	812	0.5	0.5	1.70	1.51	8.7	11.6	558	17	33	31	2.0	14.6	14.5	0.5	5.1	109	0.8	1.0	5.7	3901	1.8	76.9	0.5	18.3	3.4	84	50	65	
10-5240	6.125	26.0	22.4	16.4	2.4	0.45	1.01	977	0.5	0.5	1.60	1.50	10.0	18.0	719	13	38	40	2.6	18.6	18.7	0.5	5.2	133	0.8	0.9	6.4	4879	2.0	114.1	1	19.7	2.9	89	360	77	
10-5241	11.075	15.0	13.7	8.5	1.9	0.35	0.41	761	0.5	0.5	1.30	1.08	6.2	9.6	369	5	29	25	1.8	9.2	8.4	0.5	3.0	78	0.7	0.5	4.4	2643	1.6	58.7	0.5	11.7	2.3	29	350	64	
10-5244	10.075	14.0	12.5	8.3	2.4	0.29	0.47	421	0.5	0.5	1.20	1.22	5.8	9.4	286	3	27	25	0.9	7.9	8.2	0.5	2.5	79	0.6	0.25	4.0	2945	1.6	54.9	0.5	11.4	1.9	26	320	67	
10-5246	10.082	19.0	17.8	9.2	1.8	0.37	0.58	651	0.5	0.5	1.40	1.29	6.7	9.4	290	5	31	31	1.3	11.0	11.1	0.5	4.0	92	0.5	0.7	5.0	3171	1.7	76.5	0.5	16.1	2.6	37	240	68	
10-5248	8.070	16.0	13.7	8.7	1.6	0.35	0.56	564	0.5	0.5	1.60	1.52	5.5	8.9	296	4	28	22	1.6	11.0	10.8	0.5	3.3	103	0.6	0.7	4.4	3023	1.5	72.6	0.5	12.8	2.5	32	50	61	
10-5253	9.088	21.0	17.8	12.4	1.1	0.35	0.54	526	0.5	0.5	1.50	1.41	6.0	12.5	394	18	38	34	1.7	11.0	10.9	0.5	4.3	83	0.6	0.7	5.6	2617	1.7	61.9	0.5	13.0	2.5	43	220	62	
10-5256	8.091	22.0	18.8	15.3	1.8	0.38	1.08	832	0.5	0.5	1.90	1.82	7.4	22.8	538	8	30	35	2.0	18.3	18.8	0.5	4.6	87	0.3	0.8	4.4	2456	1.6	105.5	2	13.4	3.9	127	50	57	
10-5267	5.096	24.0	20.1	13.4	2.8	0.51	1.03	995	0.5	0.5	1.80	1.61	9.3	21.8	450	11	37	34	2.1	23.1	22.6	0.5	5.3	107	0.6	1.0	5.2	3680	1.6	133.6	0.5	18.4	3.6	70	290	58	
10-5268	5.088	16.0	13.1	8.5	2.6	0.61	0.86	1144	0.5	0.5	2.00	1.82	8.0	9.0	410	26	22	1.9	21.3	20.8	0.5	4.6	87	0.3	0.8	4.4	2456	1.6	105.5	2	13.4	3.9	127	50	57		
10-5272	4.093	17.0	12.8	8.6	1.9	0.52	1.02	519	0.5	0.5	2.30	2.25	8.4	11.2	528	15	25	21	1.4	19.8	20.1	0.5	4.7	91	0.4	1.0	4.1	3055	1.6	112.2	0.5	14.9	4.0	132	50	58	
10-5275	5.087	17.0	14.0	8.5	2.2	0.48	0.83	954	0.5	0.5	2.00	1.80	8.4	10.8	491	21	24	25	2.3	20.0	20.1	0.5	4.3	99	0.4	0.8	4.3	3002	1.7	110.1	1	14.5	3.5	138	50	57	
10-5278	4.099	18.0	13.8	12.3	2.0	0.46	1.00	548	0.5	0.5	1.80	1.61	8.4	16.0	487	14	34	30	2.4	23.6	23.2	0.5	4.2	103	0.5	0.7	4.4	3224	1.6	128.9	0.5	14.1	3.0	114	50	50	
10-5282	4.102	17.0	14.0	12.8	2.2	0.38	1.02	937	0.5	0.5	1.70	1.59	8.7	16.4	506	7	36	33	2.5	22.6	23.5	0.5	3.8	103	0.4	0.8	4.1	3517	1.3	133.4	1	13.0	2.7	84	50	50	
10-5287	8.117	16.0	15.0	7.5	1.1	0.44	0.72	583	0.5	0.5	2.10	1.92	7.5	9.9	353	2	38	34	1.7	13.2	14.2	0.5	5.5	108	0.5	1.0	4.8	4741	1.9	154.1	0.5	18.5	3.2	39	270	84	
10-5289	5.098	22.0	20.2	13.7	2.8	0.50	1.19	1060	0.5	0.5	1.80	1.69	10.1	21.8	568	8	34	37	1.7	23.3	24.3	0.5	5.5	108	0.5	1.0	4.8	4741	1.9	154.1	0.5	22.5	3.5	107	50	60	
10-5290	5.078	18.0	16.1	7.9	1.9	0.52	1.03	1092	0.5	0.5	2.00	1.95	8.8	16.5	578	9	26	16	1.6	20.0	20.7	0.5	5.4	103	0.6	1.0	5.5	3821	1.6	112.7	2	13.4	3.4	73	50	59	
10-5294	5.084	16.0	13.0	14.0	3.6	0.39	1.07	770	0.5	0.5	1.80	1.71	8.4	20.5	297	5	30	33	1.5	20.0	20.3	0.5	3.6	71	1.3	0.8	4.6	4345	1.5	134.1	1	13.0	2.7	73	50	58	
10-5298	6.093	17.0	16.7	13.9	3.0	0.46	1.12	1055	0.5	0.5	1.80	1.74	8.8	22.5	440	5	36	34	1.7	20.1	22.7	0.5	5.1	117	0.6	1.0	4.7	3907	1.5	141.0	0.5	21.5	2.8	83	50	57	
10-5302	5.106	21.0	17.6	15.7	2.8	0.45	1.28	1033	0.5	0.5	2.10	1.93	8.6	22.3	450	5	34	41	1.5	24.7	24.3	0.5	4.8	118	0.4	0.9	4.8	3892	1.5	148.0	0.5	19.8	3.5	79	50	60	
10-5304	11.132	18.0	15.0	8.9	1.9	0.42	0.53	367	0.5	0.5	1.80	1.55	6.4	9.4	305	6	53	49	1.1	10.0	8.9	0.5	3.5	79	0.8	0.6	6.3	2670	2.0	60.4	0.5	14.6	2.6	40	270	81	
10-5305	12.087	27.0	17.0	11.1	2.4	0.57	0.65	718	0.5	0.5	2.00	1.74	6.7	11.1	151	4	41	4.0	1.4	15.5	14.1	0.5	5.2	108	0.8	0.9	6.9	3302	2.0	96.8	0.5	16.6	3.4	41	50	75	
10-5500	12.195	8.0	7.0	4.8	12.1	0.59	0.14	232	2	0.5	1.30	1.34	6.6	1.0	184	12	62	63	0.6	4.6	3.8	0.5	1.8	47	1.3	0.6	6.3	3034	2.9	34.8	1	15.9	3.7	23	360	141	
10-5501	11.223	14.0	13.3	6.8	3.8	0.58	0.23	393	0.5	0.5	2.50	2.47	6.7	2.4	82	8	72	72	0.7	6.6	6.0	0.5	3.1	69	1.1	0.7	11.0	2250	3.2	40.6	0.5	18.0	3.6	33	320	127	
10-5502	16.257	12.0	11.																																		

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
10-5528	2.012	76.0	72.2	2.5	34.9	3.00	0.17	8142	16	11.1	0.14	0.16	45.7	0.5	90	8	10	23	0.05	2.6	3.1	0.5	29.3	15	0.2	7.4	1.9	282	1.4	45.3	0.5	402.1	20.0	73	50	49	
10-5529	16.255	21.0	19.3	7.0	47.7	0.84	0.24	484	0.5	0.5	2.80	2.83	14.1	1.4	261	4	85	78	0.2	6.4	5.9	0.5	5.8	76	1.4	1.2	10.5	4405	4.2	30.3	0.5	35.0	5.8	46	400	256	
10-5530	13.217	18.0	17.5	6.6	11.5	0.66	0.21	449	2	1.4	2.20	2.27	14.3	1.6	438	12	65	68	0.2	6.2	5.9	0.5	4.5	66	1.2	1.0	10.4	4466	3.5	41.5	0.5	29.8	4.4	46	280	218	
10-5531	14.050	9.0	7.8	7.2	17.5	0.66	0.80	2173	0.5	0.5	1.60	1.65	32.5	19.9	270	0.5	11	37	0.4	19.3	14.7	0.5	1.56	156	1.6	0.5	4.3	36223	1.8	422.7	0.5	16.6	4.2	89	560	342	
10-5532	17.237	29.0	27.2	7.5	3.2	0.86	0.28	537	0.5	0.5	2.80	2.76	14.1	2.0	211	7	70	70	0.4	8.1	7.1	0.5	6.7	91	1.4	1.3	10.0	5714	3.8	39.9	0.5	36.0	5.7	47	420	255	
10-5533	10.184	15.0	13.6	5.8	6.6	0.55	0.55	438	0.5	0.5	2.40	2.23	8.9	4.9	209	3	61	62	0.6	10.9	10.5	0.5	3.6	123	0.7	0.8	8.1	3525	2.4	88.6	0.5	20.1	3.2	36	380	117	
10-5534	10.157	13.0	12.8	5.6	7.6	0.51	0.63	435	1	0.5	2.20	2.06	7.8	5.1	168	0.5	52	55	0.6	12.7	12.3	0.5	3.1	129	0.8	0.7	6.2	3649	1.9	85.9	0.5	17.8	2.3	32	350	102	
10-5535	7.099	10.0	9.8	4.9	8.1	0.33	0.73	453	0.5	0.5	2.40	2.09	7.0	8.9	235	0.5	33	34	0.6	15.2	15.4	0.5	2.4	164	0.4	0.25	4.3	3493	1.4	117.9	0.5	13.7	1.7	29	50	76	
10-5536	8.130	11.0	12.5	5.0	5.6	0.37	0.74	480	0.5	0.5	2.00	2.19	8.1	7.4	248	0.5	46	50	0.6	12.2	14.3	0.5	3.0	160	0.6	0.6	5.5	3422	1.8	115.3	0.5	17.0	2.2	30	240	89	
10-5537	10.170	14.0	14.6	5.1	3.6	0.47	0.63	457	0.5	0.5	2.20	2.23	9.2	6.1	188	0.5	62	63	0.6	11.9	12.3	0.5	3.7	134	0.9	0.7	7.1	3573	2.3	105.7	0.5	20.8	3.2	33	290	114	
10-5538	12.194	8.0	8.5	5.6	6.4	0.53	0.57	475	0.5	0.5	1.90	1.97	10.4	4.7	160	5	69	62	0.5	9.3	9.2	0.5	2.2	112	1.0	0.6	4.7	5567	2.4	70.0	0.5	19.2	3.5	32	410	154	
10-5539	15.222	48.0	44.6	12.2	9.4	0.90	0.42	869	12	11.7	2.30	2.30	16.9	5.4	749	11	75	71	0.4	9.1	8.4	0.5	1.1	91	1.5	1.8	11.9	6419	4.7	68.0	0.5	47.8	5.8	83	200	200	
10-5540	17.197	15.0	13.2	6.8	17.0	0.88	0.21	627	2	1.4	1.50	1.61	20.5	1.6	430	15	67	67	0.3	5.9	5.4	0.5	3.4	53	2.1	0.9	10.4	6889	4.4	64.4	0.5	33.4	5.6	50	550	323	
10-5541	14.321	119.0	112.7	6.3	20.8	4.60	0.21	3783	15	12.8	1.30	1.28	35.6	0.5	213	11	49	57	0.1	4.7	4.8	0.5	36.4	29	1.1	8.6	11.8	1445	12.9	68.0	0.5	454.4	32.0	96	50	191	
10-5543	20.217	16.0	14.5	7.2	10.4	1.00	0.12	327	1	1.2	2.50	2.39	18.0	0.5	208	9	100	87	0.2	2.9	2.3	0.5	4.5	27	2.0	1.2	17.5	2217	5.8	17.8	0.5	33.4	6.7	54	480	242	
10-5544	21.289	15.0	14.4	5.6	7.4	0.89	0.13	343	2	1.2	2.70	2.60	16.5	0.5	181	7	110	85	0.1	2.8	2.3	0.5	4.1	31	1.6	1.0	13.2	2344	5.1	18.0	0.5	31.9	5.2	53	500	233	
10-5545	17.285	15.0	15.4	4.9	7.8	0.68	0.15	358	1	0.5	2.40	2.53	14.5	0.5	128	9	86	83	0.1	2.8	2.7	0.5	4.0	39	1.6	0.9	12.4	2690	4.3	23.4	1	28.5	4.0	47	470	189	
10-5546	16.264	18.0	17.8	5.1	10.7	0.69	0.17	340	1	0.5	2.20	2.23	12.2	0.5	219	7	83	94	0.1	3.4	3.1	0.5	4.9	41	1.5	1.0	13.0	2731	4.2	28.9	0.5	29.8	4.7	46	340	171	
10-5547	18.267	20.0	18.2	4.7	8.6	0.78	0.19	372	1	1.0	2.20	2.28	13.7	0.5	183	6	77	86	0.2	4.0	3.8	0.5	5.1	48	1.5	1.2	13.2	3254	4.2	38.9	0.5	30.4	4.9	44	400	175	
10-5549	17.224	14.0	12.9	4.8	3.7	0.79	0.52	514	0.5	0.5	2.50	2.63	11.3	4.2	279	7	65	58	0.3	9.0	8.9	0.5	4.4	108	1.1	1.0	8.7	4128	3.0	66.9	0.5	22.2	5.4	43	520	137	
10-5550	16.209	14.0	13.2	4.4	8.0	0.73	0.39	418	0.5	0.5	2.20	2.27	10.4	3.3	330	6	54	57	0.2	7.5	7.3	0.5	4.1	85	1.1	0.9	9.2	3885	2.7	53.4	0.5	23.5	5.0	41	450	134	
10-5551	5.055	49.0	47.1	17.4	28.3	0.67	0.94	868	2	1.4	1.20	1.14	13.2	105.4	805	4	23	26	0.05	13.8	14.1	0.5	8.6	99	0.4	1.4	9.5	7915	4.8	142.3	33	37.6	3.4	66	50	64	
10-5552	11.176	15.0	13.3	4.1	22.2	0.57	0.22	315	0.5	0.5	1.70	1.68	9.8	2.2	418	9	50	58	0.2	5.3	4.8	0.5	3.7	53	1.0	0.8	8.0	3582	2.6	49.0	0.5	21.8	3.7	32	290	135	
10-5553	18.224	19.0	16.8	6.2	18.0	0.82	0.39	628	2	1.9	2.20	2.10	12.9	3.0	398	9	68	76	0.4	9.1	7.4	0.5	3.9	89	2.0	0.9	10.7	8278	3.8	64.7	2	25.9	5.5	36	490	189	
10-5554	20.217	12.0	10.4	4.9	11.4	0.77	0.24	394	0.5	0.5	2.00	1.91	13.0	2.2	358	4	58	58	0.2	5.7	4.8	0.5	3.1	56	1.4	0.8	7.9	4526	3.0	50.3	1	21.2	5.0	40	750	164	
10-5555	16.226	19.0	19.9	5.1	15.4	0.65	0.32	415	0.5	0.5	2.10	2.09	10.7	2.4	452	6	51	61	0.1	6.2	6.3	0.5	5.2	72	1.2	1.1	11.3	3970	2.9	41.2	1	25.7	3.8	39	510	134	
10-5556	15.223	18.0	17.4	4.6	12.8	0.63	0.42	439	0.5	0.5	2.20	2.18	9.9	2.9	461	3	60	59	0.1	7.3	7.2	0.5	4.6	92	1.0	1.0	7.4	4387	2.4	53.1	0.5	23.8	4.0	36	460	99	
10-5557	11.313	22.0	21.5	6.5	12.1	0.53	1.32	985	0.5	0.5	2.00	2.25	13.3	9.3	443	3	32	37	0.05	14.3	15.9	0.5	4.8	169	1.3	0.9	4.8	9521	1.7	107.3	1	26.8	3.4	66	220	93	
10-5558	13.203	12.0	10.4	4.2	9.7	0.45	0.36	1352	4	3.8	2.10	2.18	11.9	2.7	274	3	52	47	0.2	4.8	4.8	0.5	2.8	112	0.8	0.6	3.8	4236	2.2	53.3	0.5	15.9	2.9	36	500	82	
10-5559	14.191	18.0	16.6	4.8	12.0	0.79	0.57	544	0.5	0.5	2.30	2.23	11.4	4.9	366	7	46	50	0.2	9.1	9.2	0.5	4.5	99	1.2	1.0	10.0	4280	2.6	71.3	0.5	21.8	4.6	47	480	103	
10-5560	15.194	22.0	20.2	5.7	19.6	0.71	0.44	544	1	0.5	1.90	1.91	15.3	2.5	393	9	50	50	0.2	8.0	7.5	0.5	4.8	91	1.2	1.0	10.0	6724	3.0	83.4	0.5	25.6	4.3	49	360	131	
10-5561	19.285	23.0	20.9	4.6	8.7	0.74	0.25	420	0.5	0.5	2.40	2.40	10.4	0.5	239	4	85	80	0.2	5.0	4.8	0.5	5.0	67	1.4	1.1	8.0	3544	3.2	23.1	0.5	25.0	4.9	38	590	134	
10-5562	20.886	22.0	20.5	4.8	8.7	0.90	0.20	399	2	1.0	2.50	2.40	13.2	0.5	266	7	86	85	0.2	4.2	3.6	0.5	5.3	44	1.2	1.2	12.0	2906	4.1	26.6	0.5	31.8	5.5	48	540	188	
10-5564	16.205	21.0	21.2	4.8	17.1	0.64	0.71	815	1	1.0	1.80	1.98	15.3	4.9	687	3	49	58	0.05	10.3	11.7	0.5	5.4	113	1.1	1.2	7.0	8167	2.8	73.3	0.5	31.0	3.3	60	420	148	
10-5565	18.295	19.0	18.4	6.3	9.0	0.85	0.19	382	2	0.5	2.40	2.48	13.3	0.5	162	9	97	93	0.1	3.2	2.9	0.5	4.7	40	1.5	1.0	12.9	2777	4.3	23.5	0.5	31.5	5.1	53	490	208	
10-5566	17.240	16.0	14.8	5.0	19.8	0.81	0.11	276	2	1.0	2.00	1.93	12.9	0.5	258	8	80	82	0.1	2.4	2.0	0.5	4.1	25	1.0	1.0	13.6	2161	4.7	17.1	0.5	27.3	4.9	42	590	198	
10-5567	20.307	15.0	13.1	7.4	4.3	0.90	0.15	384	1	1.3	2.60	2.60	18.6	0.5	207	14	110	115	0.2	2.9	2.4	0.5	3.8	39	2.0	1.0	10.5	3407	5.4	15.0	0.5	35.2	5.9	49	540	281	
10-5568	17.236	12.0	11.1	12.3	6.5	0.78	0.35	750	4	3.5	1.90	1.91	15.3	2.4	231	11	80	82	0.4	6.4	6.4	0.5	2.8	94	1.3	0.7	6.6	5214	3.6	50.0	0.5	25.5	4.8	50	520	245	
10-5569	13.188	17.0	16.6	6.8	6.6	0.73	0.48	475																													

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Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm	
12-5025	4.086	25.0	21.1	26.7	14.8	0.51	0.66	1306	9	8.6	1.30	1.04	5.7	32.5	1101	27	41	40	3.1	18.9	18.7	0.5	6.0	74	0.7	1.0	7.5	4110	3.8	1238	1	17.0	3.5	124	50	59	
12-5026	5.066	21.0	16.7	15.3	14.6	0.75	0.31	431	11	10.4	1.00	0.87	4.1	7.5	477	5	55	47	1.9	20.2	21.5	0.5	4.6	37	0.6	0.9	4.2	2784	2.7	130.0	2	8.3	4.9	70	50	63	
12-5027	5.128	32.0	28.0	29.1	4.0	0.45	0.76	1188	2	3.3	1.80	1.52	9.3	15.8	417	9	63	49	1.7	16.6	15.8	0.5	5.5	97	1.1	0.8	7.7	5623	3.7	124.4	1	9.4	3.2	56	50	65	
12-5028	5.149	23.0	21.1	23.7	5.8	0.41	0.96	1285	5	4.7	1.60	1.33	8.4	25.7	582	17	63	53	2.0	17.4	17.4	0.5	4.3	95	0.9	0.7	7.8	5195	3.6	151.5	1	10.0	2.6	95	50	66	
12-5029	4.210	21.0	21.0	20.7	6.4	0.39	0.82	1323	4	3.7	1.60	1.56	8.6	20.6	623	8	51	46	1.6	14.9	16.6	0.5	4.8	106	0.8	0.8	5.9	5615	3.1	131.0	1	12.9	2.5	86	50	60	
12-5030	5.169	31.0	30.6	25.1	3.5	0.51	0.89	3802	5	4.3	1.70	1.45	9.3	23.7	520	12	75	59	1.8	17.6	17.4	0.5	6.2	100	0.9	0.9	8.6	5379	4.5	140.7	1	12.1	3.2	96	200	65	
12-5031	5.119	26.0	22.5	18.3	3.5	0.48	0.81	1380	2	2.7	2.00	1.77	10.4	21.5	631	10	52	46	1.6	18.8	17.5	0.5	4.8	123	0.9	0.8	6.9	6527	3.6	125.1	1	12.2	3.2	74	190	66	
12-5032	5.136	28.0	26.3	18.8	4.0	0.83	0.28	1474	16	56	47	1.90	16.1	10.8	240	74	16	56	47	1.90	20.5	19.3	0.5	5.3	123	0.8	0.8	7.1	6635	4.4	129.9	1	14.0	3.4	84	250	69
12-5033	5.129	28.0	23.8	18.8	3.7	0.53	0.85	1623	3	2.9	2.00	1.64	9.2	23.8	731	14	53	46	1.8	22.1	20.3	0.5	5.3	124	0.8	0.8	6.8	5784	3.8	127.3	1	13.3	3.4	87	270	68	
12-5034	5.130	24.0	19.2	21.8	5.4	0.47	0.86	1155	4	2.9	1.90	1.62	9.4	27.2	360	6	53	44	1.3	19.1	17.4	0.5	4.5	124	0.9	0.7	6.8	5899	3.2	126.1	0.5	11.5	3.0	85	240	64	
12-5035	5.099	26.0	24.6	20.5	9.3	0.53	0.77	2372	8	7.1	1.70	1.43	7.8	44.0	1007	24	46	40	3.0	18.0	17.3	0.5	5.6	96	0.8	0.8	6.8	5033	4.5	136.2	2	16.7	3.5	116	210	65	
12-5036	5.104	24.0	22.4	21.6	4.7	0.45	0.63	1280	3	2.4	1.80	1.58	8.7	18.9	723	6	59	49	1.3	15.1	14.1	0.5	4.4	105	0.7	0.8	5.7	5147	3.3	105.7	1	10.8	3.3	100	50	61	
12-5037	4.116	25.0	22.6	19.3	4.4	0.51	0.81	1400	3	2.7	1.90	1.58	6.5	32.5	511	13	50	38	1.8	19.9	18.6	0.5	5.6	104	0.7	0.9	6.9	4871	2.9	183.5	1	0.5	3.1	74	50	68	
12-5038	5.106	19.0	18.0	13.7	2.2	0.40	0.80	1445	9	7.3	1.80	1.53	13.4	23.8	877	22	50	37	2.5	21.4	20.8	0.5	6.0	133	1.3	1.0	8.3	8751	3.4	187.9	1	0.5	2.3	59	130	62	
12-5039	5.118	25.0	22.0	16.7	7.7	0.53	0.81	1549	9	7.3	1.80	1.53	13.4	23.8	877	22	50	37	2.5	21.4	20.8	0.5	6.0	133	1.3	1.0	8.3	10317	4.4	212.0	1	0.5	3.1	87	250	78	
12-5040	5.114	23.0	19.1	15.1	3.2	0.46	0.77	1449	6	4.5	2.10	1.88	10.2	18.7	851	14	54	33	2.2	20.0	19.1	0.5	4.9	152	1.1	0.8	6.9	8746	3.7	197.4	2	0.5	2.8	63	140	70	
12-5042	5.125	27.0	21.5	22.2	5.8	0.46	0.80	1236	4	3.8	1.70	1.47	7.8	19.3	664	14	58	43	1.8	18.9	18.6	0.5	4.9	96	0.9	0.8	7.6	5984	3.6	196.1	2	0.5	2.6	64	200	69	
12-5043	6.110	26.0	18.8	16.6	4.2	0.60	0.73	2016	4	4.0	2.30	1.77	8.2	22.5	941	32	47	32	4.6	21.4	19.0	0.5	5.4	136	0.9	1.0	7.8	7268	4.4	188.2	1	0.5	3.6	85	160	68	
12-5044	5.088	24.0	20.5	20.0	6.1	0.56	0.68	1259	5	4.3	1.90	1.66	8.3	21.1	965	17	46	34	2.4	20.4	19.6	0.5	4.9	123	0.9	0.9	7.1	6689	4.4	185.9	1	0.5	3.2	79	50	83	
12-5045	6.133	30.0	25.6	18.7	2.9	0.57	0.82	1315	3	2.9	2.00	1.72	8.5	19.1	758	12	60	42	2.0	19.5	18.6	0.5	6.2	120	1.1	0.9	7.4	6455	3.4	195.3	1	0.5	3.4	61	50	76	
12-5046	4.139	25.0	20.9	22.1	6.1	0.50	0.95	1549	9	7.5	1.80	1.46	9.2	27.8	1053	19	66	45	2.9	20.4	18.8	0.5	5.1	115	0.9	0.8	8.8	7547	4.4	245.3	2	0.5	2.7	104	170	72	
12-5047	5.126	23.0	20.7	21.6	6.6	0.44	0.75	3586	7	5.9	1.70	1.39	7.8	38.9	1112	33	57	41	2.6	16.5	16.4	0.5	5.0	101	1.0	0.8	9.2	5876	4.8	208.8	1	0.5	2.6	110	50	75	
12-5048	5.127	23.0	21.9	15.8	5.9	0.48	0.89	2513	10	7.6	1.80	1.65	13.3	28.2	1407	19	52	41	3.0	20.4	20.4	0.5	5.8	144	1.4	1.0	7.2	10654	4.1	146.6	2	18.6	3.0	106	230	78	
12-5049	6.103	22.0	17.0	16.9	8.0	0.48	0.72	1458	4	4.4	1.80	1.64	15.0	18.5	1059	10	43	39	1.8	20.7	18.9	0.5	4.5	143	1.5	0.8	6.0	12590	2.8	142.8	2	15.5	2.9	98	190	83	
12-5050	6.106	23.0	19.8	15.4	5.5	0.57	0.71	1306	3	3.3	2.00	1.91	11.6	22.4	819	6	40	37	1.4	20.7	20.1	0.5	5.7	154	1.3	1.0	5.9	9631	3.1	123.7	1	20.2	3.4	85	170	81	
12-5051	4.109	19.0	15.5	14.1	0.47	0.76	1467	10	10.9	1.20	1.10	8.8	21.7	4526	22	40	50	2.8	19.3	21.1	0.5	4.2	103	0.9	0.8	7.1	7593	3.3	169.0	1	16.2	2.6	103	170	80		
12-5052	6.119	30.0	26.4	16.5	3.6	0.55	0.68	1708	4	4.3	1.80	1.81	11.1	21.6	762	15	45	42	1.9	18.2	18.1	0.5	5.9	144	1.2	0.9	7.0	8116	3.7	121.5	2	15.4	3.3	63	240	88	
12-5053	5.146	30.0	29.2	18.9	3.6	0.61	0.92	1637	4	3.9	1.70	1.59	10.9	25.5	881	11	62	47	2.0	21.3	21.8	0.5	6.9	123	1.2	1.1	7.1	7879	3.8	150.9	1	21.5	3.8	97	170	86	
12-5054	3.084	19.0	17.0	30.6	22.8	0.42	0.71	1485	9	9.4	1.00	0.77	6.5	24.9	2164	27	41	35	3.1	20.7	21.3	0.5	4.0	73	0.7	0.8	6.0	5908	2.7	142.9	1	14.9	2.6	128	50	64	
12-5055	4.132	21.0	19.0	18.6	6.5	0.47	0.84	1499	6	4.8	1.80	1.64	10.3	21.7	927	13	53	47	2.0	19.7	18.4	0.5	4.4	134	1.2	0.7	6.6	8431	2.9	140.8	1	14.0	2.7	96	50	70	
12-5056	4.084	19.0	20.1	23.2	18.2	0.34	0.58	1313	6	6.7	1.20	1.13	9.1	17.6	714	12	40	39	1.5	17.3	19.2	0.5	4.3	94	1.0	0.8	6.8	6802	3.7	147.2	1	12.9	2.0	55	180	76	
12-5057	5.114	22.0	20.5	21.1	4.8	0.41	0.79	899	1	2.1	1.60	18.2	9.8	18.8	316	3	50	40	1.1	15.0	16.9	0.5	5.0	127	1.2	0.8	5.5	7732	2.8	131.6	1	12.6	2.4	79	230	75	
12-5058	5.112	23.0	21.5	18.0	5.2	0.53	0.92	1037	2	2.6	1.70	1.65	10.7	26.4	611	8	48	43	1.7	20.4	21.7	0.5	6.0	126	0.9	1.0	6.4	7038	3.0	136.6	1	18.3	3.3	86	170	76	
12-5059	5.124	25.0	22.9	16.7	4.1	0.50	0.91	1435	2	2.7	1.70	1.64	7.5	33.9	712	11	51	42	1.9	22.1	23.5	0.5	5.9	121	1.0	1.0	6.4	6370	3.4	141.2	2	15.6	3.1	108	150	76	
12-5060	5.121	23.0	21.7	17.5	4.5	0.44	0.84	1463	2	2.6	1.80	1.73	10.7	30.9	627	9	46	42	1.7	19.8	20.3	0.5	4.6	127	1.0	0.8	6.5	7246	3.7	134.3	1	13.3	2.9	95	190	79	
12-5062	5.108	27.0	21.7	12.2	2.5	0.50	0.79	1272	0.5	1.5	2.00	1.91	8.6	22.6	605	14	40	34	2.1	21.8	21.8	0.5	5.9	130	0.9	1.0	5.4	6194	2.2	116.1	2	17.2	3.3	96	160	72	
12-5063	5.117	22.0	21.6	21.1	4.7	0.49	0.88	1080	2	2.6	1.70	1.68	10.5	27.7	610	7	51	46	1.5	19.9	20.4	0.5	4.8	128	0.9	0.9	6.2	7520	3.0	143.3	1	15.9	3.0	96	170	75	
12-5064	6.110	27.0	23.3	15.8	3.8	0.55	0.80	1073	3	2.4	2.00	1.82	12.1	20.9	694	9	52	45	1.8	21.4	19.5	0.5	5.4	138	1.2	1.0	6.4	8131	3.0	137.7	1	16.7	3.5	74	220	76	
12-5065	3.099	21.0	20.5	26.0	11.7	0.42	0.83	1407	9	8.2</																											

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
12-5092	6.099	30.0	22.8	12.4	2.5	0.61	0.70	1205	2	1.8	2.30	2.03	8.6	18.5	629	7	42	29	1.8	23.0	20.3	0.5	6.5	143	1.1	1.0	6.3	6944	2.9	109.2	2	15.7	3.9	74	230	75	
12-5093	5.106	26.0	21.6	13.3	3.4	0.57	0.78	1408	3	2.7	2.10	1.89	7.2	30.5	786	16	43	34	2.5	23.0	21.0	0.5	6.4	137	1.0	1.1	5.7	6161	2.9	125.6	1	15.7	3.8	101	160	69	
12-5094	6.113	29.0	22.8	16.4	4.1	0.54	0.81	1092	3	2.9	1.90	1.76	10.3	21.2	586	12	55	45	2.0	19.7	17.6	0.5	5.4	135	1.3	0.9	6.9	8216	3.1	135.8	2	13.8	3.3	74	230	82	
12-5095	5.100	20.0	19.5	17.4	5.3	0.43	0.91	1368	4	3.5	1.70	1.74	8.3	31.6	803	16	45	33	2.5	21.0	22.8	0.5	5.3	131	1.1	0.9	6.0	7279	3.3	141.4	1	14.3	3.2	124	190	75	
12-5096	5.118	25.0	24.3	16.8	3.5	0.50	0.86	1295	2	2.5	1.80	1.76	9.2	30.1	734	12	50	38	1.9	20.9	20.9	0.5	5.7	129	1.0	1.0	6.7	6736	3.4	133.4	0.5	15.3	3.2	90	190	78	
12-5097	5.097	25.0	21.6	14.5	3.4	0.45	0.72	909	1	1.3	1.90	1.90	9.1	20.6	452	7	41	35	1.7	17.8	17.6	0.5	5.2	133	0.9	0.8	5.9	5966	2.5	113.5	1	13.7	3.1	79	210	72	
12-5098	6.066	21.0	17.2	14.5	6.3	0.45	0.76	785	1	1.6	1.90	1.83	9.5	32.6	344	5	32	23	1.3	18.5	17.4	0.5	4.4	140	1.0	0.7	5.2	6877	2.3	122.6	2	12.1	2.7	65	190	75	
12-5099	6.077	26.0	23.3	12.9	4.1	0.49	0.66	933	0.5	1.1	1.90	1.92	9.7	17.1	248	10	33	24	1.4	18.8	18.2	0.5	5.8	148	1.0	1.0	6.5	6667	2.6	101.5	1	14.5	3.1	78	180	81	
12-5100	5.094	21.0	19.6	11.4	2.9	0.44	0.72	900	0.5	0.5	2.20	2.11	8.9	18.8	526	3	39	26	1.4	19.0	18.2	0.5	4.9	163	0.9	0.7	5.3	6167	2.1	99.0	2	13.3	2.7	58	230	74	
12-5102	5.092	17.0	16.2	11.5	4.1	0.45	0.70	910	0.5	1.0	2.10	2.14	8.2	20.5	584	6	35	27	1.3	17.8	17.1	0.5	4.3	157	0.8	0.7	5.3	6109	2.2	99.0	1	13.1	2.6	63	190	74	
12-5103	6.082	19.0	18.0	10.8	4.5	0.40	0.65	789	0.5	0.5	2.10	2.18	9.6	17.5	356	3	26	26	1.1	18.6	18.8	0.5	4.8	168	0.9	0.8	5.3	7038	2.1	94.2	1	14.5	2.9	58	200	79	
12-5104	5.091	21.0	20.1	10.9	2.6	0.49	0.71	1061	2	1.3	2.30	2.22	9.1	19.5	552	7	36	26	1.6	19.2	18.9	0.5	5.8	177	0.9	1.0	5.4	7038	2.2	102.9	1	17.2	3.1	55	230	73	
12-5105	5.104	25.0	23.6	11.4	2.8	0.58	0.76	1148	0.5	0.5	2.30	2.23	9.5	19.3	537	16	40	28	1.4	21.8	21.2	0.5	6.7	177	0.8	1.1	4.9	6888	1.9	106.5	0.5	24.0	3.8	80	190	79	
12-5106	5.096	19.0	18.5	12.4	3.0	0.44	0.68	897	0.5	0.5	2.10	2.12	8.6	16.6	426	3	42	33	1.1	17.7	17.1	0.5	4.7	159	0.8	0.7	4.9	6083	2.0	97.2	1	14.0	2.9	51	50	74	
12-5107	5.112	21.0	20.2	19.4	5.1	0.40	0.76	933	3	2.4	1.80	1.77	9.0	25.7	301	6	52	42	1.3	16.8	16.4	0.5	4.2	132	0.9	0.7	6.5	5873	3.1	115.5	1	11.8	2.6	67	220	78	
12-5108	5.105	22.0	19.3	15.2	4.8	0.54	0.64	1211	7	5.4	1.90	1.78	9.4	19.3	806	19	44	33	2.4	18.3	16.8	0.5	4.7	136	1.1	0.9	6.7	6991	3.8	115.7	1	13.1	2.7	64	150	75	
12-5109	5.113	23.0	20.2	16.5	3.3	0.47	0.77	1277	3	2.9	1.90	1.88	9.2	21.0	648	12	52	42	1.6	19.0	18.1	0.5	4.8	138	1.0	0.8	6.8	6886	3.0	124.6	1	12.9	3.0	94	170	71	
12-5110	5.111	25.0	21.1	16.6	6.0	0.47	0.66	1505	9	6.4	1.70	1.56	9.7	21.4	1162	34	50	37	2.7	17.7	16.3	0.5	4.8	132	0.9	0.8	7.1	6529	3.2	120.4	1	12.6	2.7	83	150	73	
12-5111	5.129	26.0	23.9	20.7	4.4	0.51	0.80	1218	6	4.9	1.60	1.48	9.4	23.3	761	20	62	49	2.4	19.2	19.1	0.5	5.3	108	1.0	0.7	8.4	6166	4.3	135.0	1	13.5	3.1	70	200	79	
12-5112	5.140	27.0	22.6	19.6	5.6	0.51	0.86	2559	10	7.5	1.80	1.58	12.7	21.7	798	18	66	47	2.3	20.5	18.3	0.5	5.3	130	1.3	0.8	8.0	8789	3.6	158.5	1	14.8	3.4	80	50	77	
12-5113	5.119	27.0	25.3	14.0	2.9	0.49	0.79	1834	7	4.7	1.90	1.70	8.7	42.4	932	22	53	37	3.2	19.1	18.4	0.5	6.6	118	1.0	1.1	6.8	6204	3.7	130.5	1	15.4	3.5	109	180	73	
12-5114	5.128	24.0	21.3	17.4	4.2	0.49	0.93	1234	3	2.9	1.70	1.53	9.0	36.3	612	14	58	45	2.2	20.5	19.9	0.5	5.2	105	1.0	0.8	7.0	5808	3.6	147.5	1	11.5	2.9	117	170	78	
12-5115	5.128	25.0	22.9	18.9	4.2	0.51	0.96	1256	4	3.3	1.60	1.51	9.5	36.3	654	13	59	49	2.1	20.3	19.9	0.5	5.2	105	1.0	0.9	7.0	6086	3.4	148.9	2	13.8	3.0	130	200	78	
12-5116	4.104	19.0	17.3	15.1	7.7	0.40	0.70	1103	2	2.0	1.70	1.73	9.2	18.0	456	8	49	39	1.3	16.1	15.6	0.5	3.9	122	0.9	0.7	5.1	6325	2.4	133.9	1	10.1	2.5	65	210	74	
12-5117	4.132	25.0	22.8	17.6	3.2	0.46	0.80	1617	3	2.8	1.80	1.72	8.9	28.4	674	12	59	46	2.0	18.6	18.1	0.5	5.3	128	1.0	0.9	6.5	5909	3.2	128.9	1	14.2	3.0	86	50	79	
12-5118	5.132	25.0	21.5	20.4	6.1	0.45	0.81	1744	4	3.9	1.60	1.56	8.5	21.2	690	16	57	46	1.9	18.5	18.4	0.5	4.8	118	0.9	0.8	7.5	5987	3.7	136.1	2	13.0	2.8	79	190	76	
12-5119	5.142	25.0	25.2	18.4	3.6	0.44	0.86	1193	5	3.7	1.60	1.59	10.0	24.7	789	14	61	49	2.3	19.2	19.6	0.5	5.3	119	0.9	0.8	7.0	6264	4.1	143.8	2	14.7	3.0	90	190	83	
12-5120	4.124	20.0	19.7	18.1	6.3	0.43	0.79	1022	5	5.2	1.80	1.76	9.0	29.4	716	11	51	45	1.9	16.3	16.4	0.5	4.1	132	0.8	0.7	6.7	5691	3.5	134.4	0.5	12.5	2.6	101	180	80	
12-5122	5.137	26.0	24.9	18.0	3.6	0.45	0.84	1286	3	3.5	1.70	1.63	11.2	22.0	756	12	66	49	2.1	19.6	18.9	0.5	5.2	119	1.1	0.8	7.6	7052	4.1	139.3	1	13.5	3.0	75	170	81	
12-5123	5.107	18.0	18.3	16.3	5.7	0.39	0.72	1164	0.5	1.8	1.90	1.85	9.5	23.5	685	7	46	39	1.4	17.1	17.8	0.5	4.1	140	0.9	0.7	5.8	6171	2.6	115.9	1	12.9	2.6	87	130	77	
12-5124	5.124	29.0	26.5	14.5	2.7	0.61	0.80	1577	3	3.1	2.10	1.85	10.5	34.4	792	12	51	41	2.5	21.9	20.7	0.5	7.0	131	1.1	1.2	6.5	6822	3.3	134.3	2	20.1	4.2	103	210	78	
12-5125	5.128	24.0	23.0	17.4	4.1	0.56	0.96	1658	0.5	1.5	1.80	1.75	8.9	30.4	779	10	52	45	2.3	23.4	23.2	0.5	5.6	129	0.8	0.9	6.1	6103	3.5	136.4	2	16.5	3.2	93	180	79	
12-5126	5.115	23.0	21.9	15.5	6.9	0.50	0.79	1824	3	3.1	1.90	1.74	8.7	31.4	784	12	46	37	2.0	19.3	18.7	0.5	5.2	137	0.8	0.9	6.4	5848	3.1	121.1	1	16.0	3.1	79	170	73	
12-5127	5.095	20.0	16.7	15.7	6.0	0.45	0.73	830	1	1.4	1.90	1.76	8.2	22.5	364	7	41	36	1.5	17.9	17.6	0.5	4.1	130	0.8	0.7	5.8	5568	2.4	115.7	0.5	11.8	2.6	75	210	71	
12-5128	5.110	19.0	16.6	16.4	5.7	0.42	0.80	922	0.5	1.5	1.90	1.81	7.9	23.6	350	5	47	39	1.3	18.6	18.0	0.5	3.9	138	0.8	0.7	5.7	5396	2.6	112.7	1	10.8	2.5	74	130	70	
12-5129	5.112	21.0	18.8	14.4	4.2	0.48	0.79	1449	1	1.6	2.10	1.90	8.0	28.3	502	10	44	38	1.2	18.9	18.5	0.5	4.5	156	0.8	0.8	5.6	4988	2.3	99.5	2	15.0	2.7	70	150	69	
12-5130	5.089	16.0	14.4	13.3	4.3	0.36	0.62	885	0.5	0.5	2.10	2.08	9.4	29.0	279	7	35	29	0.8	16.0	15.7	0.5	3.5	176	0.7	0.6	5.6	4994	2.0	79.7	0.5	11.8	2.3	67	220	66	
12-5131	5.103	24.0	21.9	22.6	3.8	0.53	1.11	1111	0.5	0.5	2.30	2.12	10.0	34.8	836	16	42	36	0.9	23.5	22.7	0.5	5.8	223	0.8	0.9	7.0	7362	2.3	127.7	1	18.3					

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
12-5161	7.109	14.0	13.2	8.0	2.9	0.35	0.83		724	0.5	0.5	2.60	2.72	7.3	16.2	388	3	38	31	0.6	15.2	16.4	0.5	3.8	236	0.6	0.6	4.6	6374	1.5	110.0	0.5	14.9	2.4	44	260	86
12-5163	5.087	15.0	13.8	19.2	6.6	0.34	0.62		646	0.5	1.1	2.00	1.88	8.7	13.5	239	3	37	30	0.6	13.0	12.6	0.5	2.9	148	0.7	0.5	4.4	5256	1.8	74.1	0.5	9.7	2.1	46	190	71
12-5164	5.096	18.0	17.6	14.3	3.5	0.36	0.63		785	0.5	1.4	2.00	1.99	7.1	24.7	218	9	40	33	0.9	13.6	13.8	0.5	3.8	156	0.6	0.6	5.2	4259	2.0	78.7	0.5	13.3	2.3	56	130	66
12-5165	6.103	15.0	13.5	17.2	4.3	0.39	0.68		552	0.5	0.5	2.20	2.12	6.5	31.5	359	11	43	32	0.8	15.7	15.9	0.5	3.3	175	0.6	0.5	6.0	4398	1.8	83.1	0.5	11.2	2.2	72	240	75
12-5166	6.106	14.0	13.0	12.6	5.2	0.43	0.68		620	0.5	0.5	2.40	2.31	6.1	20.1	332	9	36	32	0.8	14.5	14.3	0.5	3.5	174	0.6	0.7	5.3	4294	1.7	78.9	0.5	12.6	2.4	47	160	74
12-5167	7.110	17.0	15.4	9.9	3.3	0.44	0.70		602	0.5	0.5	2.60	2.54	6.7	18.1	218	6	37	32	0.8	15.9	15.3	0.5	4.2	198	0.7	0.7	5.1	4913	1.7	86.6	0.5	15.1	2.9	41	280	84
12-5168	7.103	17.0	16.3	8.9	5.1	0.42	0.68		720	0.5	0.5	2.50	2.46	6.1	14.9	306	5	36	29	0.6	15.4	15.1	0.5	4.4	195	0.7	0.8	4.8	5366	1.7	87.7	0.5	13.6	2.8	38	320	79
12-5169	7.101	15.0	14.7	8.7	3.1	0.42	0.64		594	0.5	0.5	2.40	2.50	6.0	14.7	376	7	36	30	0.6	15.2	16.0	0.5	4.0	198	0.6	0.7	4.8	5406	1.7	84.8	0.5	12.7	2.7	44	240	83
12-5170	9.109	15.0	15.5	8.0	4.6	0.52	0.57		455	0.5	0.5	2.70	2.70	6.7	10.5	191	5	36	29	0.7	14.2	14.4	0.5	4.5	176	0.7	0.8	5.4	4667	1.9	64.8	0.5	13.9	3.0	32	400	98
12-5171	10.113	16.0	15.2	7.4	2.7	0.57	0.53		490	0.5	0.5	3.00	2.90	7.1	11.8	195	6	40	28	0.9	15.6	14.9	0.5	4.3	187	0.8	0.7	5.3	4985	1.8	74.3	0.5	13.4	3.4	36	360	110
12-5172	12.117	19.0	17.3	6.6	1.5	0.62	0.65		580	0.5	0.5	3.30	3.01	7.7	11.9	414	5	40	32	1.0	15.8	14.5	0.5	4.7	213	0.9	0.8	4.9	5434	2.1	82.6	0.5	15.9	3.8	38	370	116
12-5173	9.114	16.0	15.6	6.7	2.6	0.51	0.58		480	0.5	0.5	3.00	2.89	6.1	11.3	315	5	35	30	0.9	14.8	14.2	0.5	3.9	201	0.6	0.6	4.7	4724	1.7	76.4	0.5	13.1	3.1	35	370	101
12-5175	5.076	16.0	14.7	12.5	5.2	0.36	0.46		507	0.5	0.5	1.80	1.81	7.6	13.7	349	3	34	29	0.8	14.7	14.2	0.5	3.0	147	0.7	0.25	4.8	5539	2.0	83.3	0.5	8.9	2.3	50	50	70
12-5176	4.099	14.0	13.2	25.7	8.8	0.39	0.57		662	1	1.3	1.80	1.74	5.0	15.4	384	3	42	40	1.1	17.2	17.0	0.5	2.9	127	0.3	0.25	4.0	4691	1.8	93.8	2	8.1	2.4	90	50	66
12-5177	6.084	16.0	15.4	16.1	4.7	0.38	0.59		704	0.5	1.0	2.00	1.93	7.1	25.2	273	7	40	32	1.1	13.4	12.6	0.5	3.7	162	0.6	0.6	5.7	4649	1.8	71.0	0.5	7.8	2.2	66	160	67
12-5178	6.100	16.0	14.4	13.8	4.1	0.39	0.72		720	1	1.4	2.10	1.96	6.0	21.1	168	7	38	30	0.9	16.8	16.1	0.5	3.7	162	0.6	0.6	5.9	4581	2.1	74.2	0.5	9.4	2.5	40	260	65
12-5179	5.083	14.0	14.5	18.6	7.9	0.39	0.58		707	1	1.0	1.70	1.64	6.6	19.5	602	7	36	32	0.9	13.9	14.4	0.5	3.0	134	0.6	0.5	5.7	4816	2.0	86.3	0.5	9.0	2.1	72	250	71
12-5182	8.104	17.0	16.5	5.7	1.5	0.52	0.73		627	0.5	0.5	2.90	2.69	5.8	11.6	444	3	37	30	1.2	18.6	18.1	0.5	4.6	254	0.6	0.8	4.1	5448	1.6	106.0	0.5	14.4	3.1	39	270	83
12-5206	9.102	27.0	23.3	10.4	2.9	0.43	0.96		1030	0.5	1.1	2.30	2.08	9.0	23.2	731	7	39	32	1.6	20.2	20.6	0.5	6.0	191	1.0	0.9	8.6	6957	2.9	121.7	1	13.2	3.5	74	300	75
12-5207	5.095	20.0	20.3	12.4	6.5	0.33	0.90		1232	0.5	1.3	2.00	1.89	8.2	27.5	545	13	33	33	1.7	21.0	21.3	0.5	5.0	169	0.8	0.8	6.0	5819	2.5	110.0	0.5	12.6	2.6	107	170	67
12-5208	5.097	18.0	19.3	10.9	3.9	0.27	0.84		870	0.5	0.5	2.00	2.16	8.9	19.7	475	3	34	34	1.4	17.6	20.2	0.5	4.4	205	0.8	0.8	5.0	6259	2.0	102.7	0.5	11.4	2.2	56	240	66
12-5209	5.083	17.0	17.3	10.4	5.0	0.33	0.75		722	0.5	0.5	2.30	2.17	9.6	17.4	335	6	29	32	1.3	18.1	18.1	0.5	4.1	199	0.9	0.7	5.0	7047	2.0	99.6	0.5	11.1	2.6	50	150	73
12-5210	6.108	23.0	22.1	12.9	2.8	0.40	0.87		1219	0.5	0.5	2.30	2.11	10.4	25.8	696	7	42	33	1.6	20.2	20.0	0.5	5.6	187	1.0	0.9	5.3	6887	2.4	114.3	1	13.6	3.1	79	180	71
12-5211	6.096	22.0	19.7	11.3	3.9	0.39	0.80		1100	0.5	2.0	2.30	2.04	9.5	24.9	754	6	40	33	2.1	20.3	19.1	0.5	5.1	192	0.9	0.9	5.1	6537	2.7	118.9	2	12.9	3.3	69	230	66
12-5212	5.086	20.0	20.2	10.7	4.2	0.45	0.71		806	0.5	0.5	2.30	2.19	9.5	15.5	524	3	28	26	1.1	20.5	20.4	0.5	5.2	194	0.8	0.9	4.4	6640	2.0	92.3	1	14.4	3.0	59	50	68
12-5213	5.100	21.0	19.3	12.8	4.4	0.41	0.86		837	0.5	0.5	2.20	2.04	9.9	22.7	422	3	35	32	1.4	20.9	19.9	0.5	5.3	194	0.8	0.9	4.7	6661	2.0	99.7	0.5	12.7	3.2	90	190	70
12-5214	6.084	20.0	19.0	15.7	8.2	0.37	1.02		882	0.5	0.5	2.00	1.76	8.2	29.0	607	7	32	30	1.9	22.2	21.2	0.5	4.4	171	0.8	0.7	5.2	6358	1.9	132.6	1	11.0	2.8	112	160	70
12-5215	7.076	21.0	18.8	12.3	7.0	0.36	0.86		607	0.5	0.5	2.10	1.96	9.4	26.7	427	3	31	28	1.5	19.0	17.6	0.5	4.2	192	1.0	0.7	4.7	6755	1.7	117.2	1	9.4	2.7	66	280	67
12-5216	4.094	17.0	16.8	18.0	3.5	0.76	0.67		758	0.5	1.1	1.60	1.55	7.4	27.3	631	8	41	40	1.1	18.1	18.2	0.5	3.7	127	0.6	0.6	5.2	5130	2.0	106.2	0.5	8.4	2.0	101	50	65
12-5217	5.084	21.0	16.0	10.0	4.1	0.35	0.81		779	0.5	0.5	2.20	2.29	9.9	18.2	520	3	42	26	1.5	20.1	20.5	0.5	4.9	216	0.7	0.8	5.7	7592	2.5	98.7	1	11.9	2.9	44	190	72
12-5218	5.110	16.0	20.1	13.9	4.1	0.31	0.78		1398	0.5	1.5	2.20	2.00	9.2	25.4	721	7	26	38	1.1	18.8	19.0	0.5	4.5	157	0.9	0.9	4.6	6348	2.0	108.7	1	11.9	2.4	73	240	73
12-5219	6.089	24.0	20.4	14.0	3.8	0.41	0.67		1084	2	2.5	2.10	1.87	8.7	21.2	345	12	39	32	1.7	19.7	18.7	0.5	4.8	143	1.0	0.8	7.2	6066	3.3	93.7	2	11.0	3.4	94	160	73
12-5220	5.128	23.0	19.8	13.6	2.7	0.47	0.82		1477	0.5	0.5	2.50	2.23	6.8	17.5	598	3	47	34	1.0	21.1	19.6	0.5	5.5	189	0.7	0.9	5.2	4815	2.6	91.5	0.5	14.3	3.4	83	50	63
12-5221	5.123	22.0	19.5	12.4	2.1	0.49	0.77		1474	0.5	0.5	2.50	2.10	7.8	19.0	723	10	50	39	1.2	21.1	19.1	0.5	5.5	186	0.8	1.0	5.7	5064	2.7	79.1	1	14.9	3.7	97	230	71
12-5222	4.082	22.0	21.0	17.7	5.3	0.42	0.83		1094	0.5	0.5	1.90	1.71	6.7	16.6	184	13	34	30	1.3	21.7	20.9	0.5	4.5	143	0.5	0.7	5.4	5081	2.1	85.6	1	12.9	3.0	86	130	75
12-5224	5.088	22.0	21.6	12.4	3.8	0.49	0.63		977	0.5	0.5	2.10	2.06	7.4	15.5	349	10	37	31	1.1	19.2	18.9	0.5	5.5	160	0.6	0.9	4.9	5144	2.1	81.2	0.5	16.0	3.3	73	190	68
12-5225	5.117	28.0	24.7	10.7	1.6	0.57	0.74		1669	0.5	0.5	2.50	2.22	12.0	14.8	470	3	44	35	0.8	20.8	19.5	0.5	7.2	190	1.1	1.2	4.9	4899	2.0	67.9	1	16.2	4.4	49	200	72
12-5226	6.103	26.0	23.8	11.1	2.5	0.45	0.69		1240	0.5	1.0	2.30	2.07	10.3	24.2	333	6	39	32																		

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
12-5254	11	2.36	36.0	14.2	10.7	1.4	0.65	0.30	478	0.5	0.5	2.00	1.93	3.2	7.1	348	19	120	89	0.8	7.0	6.9	0.5	10.7	60	0.4	2.0	19.2	1632	3.8	31.9	0.5	7.0	4.5	20	260	57
12-5255	8	1.67	23.0	15.5	11.3	1.1	0.46	0.81	844	0.5	0.5	1.80	1.66	4.6	26.6	511	11	91	65	1.8	13.7	14.5	0.5	6.9	96	0.8	1.2	9.2	3365	2.5	79.8	1	10.0	3.1	39	280	45
12-5256	8	2.21	27.0	17.9	12.6	2.0	0.45	0.63	498	0.5	0.5	1.80	1.85	4.6	15.3	307	16	110	78	1.3	9.2	10.7	0.5	8.4	75	0.7	1.6	13.8	2468	3.3	50.3	1	8.1	3.3	31	300	55
12-5257	10	2.14	35.0	17.6	17.3	1.9	0.70	0.55	1424	0.5	0.5	2.00	1.86	5.0	14.8	281	16	120	85	1.0	11.3	11.4	0.5	10.2	65	0.6	2.0	18.0	2357	4.0	50.6	0.5	10.4	4.8	34	270	66
12-5258	8	2.35	29.0	16.8	15.2	2.1	0.56	0.53	510	0.5	0.5	1.90	1.90	5.3	15.7	238	19	120	90	1.0	10.0	10.0	0.5	8.2	65	0.6	1.6	14.0	2238	2.8	48.6	0.5	7.0	3.7	29	220	54
12-5259	11	1.54	34.0	21.0	14.0	1.7	0.66	0.64	964	0.5	0.5	1.80	1.66	5.5	20.4	657	13	83	64	2.8	15.2	14.7	0.5	8.7	104	1.0	1.5	12.3	3532	3.7	79.2	2	11.1	4.1	50	420	67
12-5260	12	2.60	39.0	18.3	10.2	1.5	1.00	0.20	267	0.5	0.5	1.80	1.73	3.5	7.2	267	22	110	86	0.9	5.7	5.5	0.5	11.0	59	0.5	2.2	19.0	1248	3.9	22.7	0.5	9.0	6.5	20	330	57
12-5261	10	2.32	33.0	15.6	15.8	2.9	0.71	0.40	349	0.5	0.5	1.80	1.72	4.7	19.0	262	20	110	76	1.0	8.6	8.4	0.5	8.9	66	0.7	1.7	15.9	2018	3.8	46.8	3	7.5	4.8	31	260	60
12-5263	12	2.61	38.0	12.5	8.8	0.6	1.00	0.14	321	0.5	0.5	1.80	1.82	2.3	1.6	366	24	120	85	0.7	4.0	3.8	0.5	11.3	58	0.4	2.2	20.0	950	3.2	14.4	0.5	8.7	6.4	18	390	52
12-5264	11	2.30	31.0	14.5	9.6	0.8	0.63	0.25	270	0.5	0.5	1.80	1.77	2.6	7.6	283	19	100	76	1.1	5.6	5.6	0.5	9.1	71	0.4	1.7	15.4	1387	3.4	29.0	0.5	7.5	4.4	22	340	58
12-5265	12	2.52	40.0	19.0	11.8	1.4	0.79	0.23	304	0.5	0.5	1.90	1.88	3.1	5.5	357	22	120	85	0.9	6.1	6.0	0.5	11.4	65	0.6	2.1	20.3	1434	4.2	26.6	0.5	8.1	5.3	22	310	70
12-5266	11	2.36	37.0	17.1	10.2	0.6	0.76	0.26	397	0.5	0.5	2.00	1.83	4.1	5.7	465	18	120	82	1.0	6.4	6.1	0.5	10.1	67	0.6	1.9	17.4	1511	3.2	28.7	0.5	8.7	5.0	21	320	65
12-5267	11	2.11	34.0	18.0	12.6	0.6	0.62	0.37	573	0.5	0.5	1.90	1.71	4.3	11.7	423	16	110	79	1.7	10.0	9.1	0.5	8.5	79	0.7	1.6	14.0	2188	3.1	45.2	0.5	8.1	4.1	30	260	65
12-5268	10	2.12	37.0	21.0	16.0	1.2	0.74	0.53	626	0.5	0.5	2.00	1.74	6.1	16.8	565	16	110	83	1.7	11.3	10.5	0.5	9.4	79	0.9	1.7	15.6	2481	3.2	51.6	1	10.7	5.0	39	310	62
12-5269	12	2.27	41.0	19.8	9.9	1.0	0.87	0.26	458	0.5	0.5	1.90	1.79	3.2	6.8	414	19	100	73	1.2	6.8	6.5	0.5	10.8	70	0.6	2.0	18.8	1645	3.4	29.9	0.5	9.1	5.8	24	310	69
12-5270	11	1.61	32.0	22.6	11.5	1.2	0.64	0.52	1312	0.5	0.5	1.80	1.59	4.0	17.0	682	13	82	61	2.8	15.5	14.5	0.5	8.7	100	0.7	1.5	11.0	3057	2.7	67.5	1	11.8	4.4	37	370	63
12-5271	10	1.68	25.0	12.7	12.3	1.8	0.50	0.40	491	0.5	0.5	1.80	1.63	3.7	12.7	322	13	85	63	2.3	11.0	10.5	0.5	6.3	88	0.7	1.1	10.4	2417	3.1	50.7	1	6.8	3.3	31	290	57
12-5272	11	1.92	30.0	15.9	10.1	0.6	0.59	0.28	526	0.5	0.5	1.80	1.68	3.3	11.7	495	14	95	66	2.2	8.6	7.9	0.5	7.9	79	0.7	1.5	12.6	1928	3.0	38.4	0.5	7.8	4.0	25	390	60
12-5273	12	1.74	27.0	20.1	13.7	1.0	0.67	0.43	666	0.5	0.5	1.60	1.65	3.8	16.3	463	14	83	61	1.6	6.2	11.2	0.5	7.4	92	0.6	1.3	12.0	2470	2.4	53.1	0.5	8.9	4.2	34	380	63
12-5274	10	1.89	31.0	15.1	8.7	0.5	0.57	0.21	358	0.5	0.5	1.80	1.54	2.8	4.6	410	15	90	59	3.2	11.8	5.8	0.5	8.4	70	0.8	1.4	11.6	1496	2.9	26.9	1	8.2	3.8	21	340	57
12-5275	9	1.73	28.0	15.9	17.0	2.8	0.47	0.48	442	0.5	0.5	1.60	1.65	5.3	14.9	208	13	87	64	2.0	10.0	10.7	0.5	7.3	83	0.9	1.3	12.7	2749	3.4	57.9	1	7.3	3.0	35	290	63
12-5276	11	1.97	33.0	17.6	13.2	0.9	0.71	0.42	594	0.5	0.5	1.90	1.68	4.1	18.5	538	16	110	68	2.3	10.7	9.7	0.5	8.9	82	0.8	1.6	13.8	2275	3.4	50.0	1	10.0	4.7	36	340	60
12-5277	10	1.88	32.0	19.7	14.8	2.0	0.61	0.32	369	0.5	0.5	1.60	1.49	4.1	17.5	272	27	95	67	8.0	10.4	9.9	0.5	7.6	79	0.9	1.4	12.6	2042	2.8	47.7	1	6.5	3.6	45	310	70
12-5278	7	1.18	27.0	19.1	24.1	5.4	0.43	0.42	816	0.5	0.5	1.60	1.47	6.1	10.4	391	11	71	51	2.5	13.8	13.0	0.5	4.7	113	1.0	0.6	6.4	3810	2.3	104.3	2	6.3	2.6	47	230	64
12-5279	8	1.13	28.0	21.0	10.2	3.7	0.42	0.56	519	0.5	0.5	1.90	1.68	4.7	15.4	660	11	52	40	3.3	14.8	13.5	0.5	5.4	149	0.9	0.7	9.1	3204	2.8	71.7	2	8.2	2.6	61	320	61
12-5280	9	1.14	31.0	24.2	13.2	3.4	0.52	0.63	646	0.5	0.5	1.80	1.63	4.2	19.7	754	8	51	39	3.2	15.8	14.7	0.5	6.2	122	0.9	0.9	7.8	3167	2.3	82.4	1	11.7	3.3	68	270	62
12-5281	12	1.01	35.0	28.9	7.1	1.4	0.50	0.46	758	0.5	0.5	2.10	1.87	5.5	13.6	927	10	42	32	3.1	13.5	12.4	0.5	6.7	179	1.1	0.9	7.6	3727	2.6	69.4	2	12.7	3.0	52	370	67
12-5282	8	1.23	36.0	31.5	9.4	2.1	0.45	0.58	698	0.5	0.5	2.20	1.97	6.2	15.1	879	10	53	42	2.8	14.9	14.1	0.5	6.8	185	1.0	0.9	8.5	3985	2.5	82.7	2	12.1	3.1	63	260	61
12-5283	4	0.77	16.0	14.3	21.3	15.7	0.35	0.59	1023	3	3.4	2.10	1.18	5.4	21.7	1344	10	35	32	1.9	15.0	17.4	0.5	4.1	100	0.6	0.6	6.3	4311	2.6	112.0	0.5	9.7	2.0	128	150	63
12-5284	5	0.54	16.0	17.4	15.7	22.8	0.36	0.34	3917	1	2.9	1.20	1.05	8.0	15.2	544	8	27	23	1.0	17.0	17.4	0.5	3.7	94	0.7	0.6	5.7	6199	2.3	145.8	1	12.9	2.3	78	50	71
12-5285	5	0.92	21.0	19.1	12.3	5.0	0.44	0.64	1004	0.5	1.5	2.30	2.07	9.1	18.2	427	3	35	23	1.1	20.0	18.7	0.5	5.1	170	0.8	0.9	5.3	6127	2.5	86.6	1	16.3	3.3	53	170	76
12-5286	5	1.19	21.0	19.6	17.1	4.7	0.38	0.78	1214	2	1.8	1.80	1.75	8.8	24.1	519	8	54	43	1.5	17.9	17.7	0.5	4.2	131	0.8	0.7	6.1	5798	2.9	120.4	1	12.0	2.8	84	120	78
12-5288	5	1.07	24.0	21.8	14.5	3.3	0.46	0.72	1595	0.5	1.6	2.20	2.00	8.4	24.0	529	9	44	31	1.3	20.6	19.9	0.5	5.4	152	0.9	0.9	5.7	5681	2.7	100.7	0.5	17.0	3.2	73	140	76
12-5289	5	0.95	20.0	16.0	14.9	3.3	0.37	0.69	895	0.5	1.8	2.10	2.01	8.1	18.7	209	6	39	28	1.3	16.0	15.6	0.5	3.8	152	0.8	0.6	5.3	5465	2.3	94.7	1	11.0	2.4	53	200	67
12-5290	4	0.91	18.0	14.8	18.3	9.6	0.36	0.61	909	2	2.1	1.70	1.66	7.7	22.8	394	7	37	31	1.2	16.3	15.7	0.5	3.6	126	0.8	0.6	5.3	5241	2.3	106.4	1	11.2	2.2	70	50	68
12-5291	5	0.84	15.0	14.2	11.3	7.4	0.38	0.70	1048	0.5	0.5	2.20	2.08	8.7	16.7	563	3	28	22	1.0	19.4	18.5	0.5	4.0	172	0.7	0.8	4.6	7637	1.9	91.5	0.5	14.1	2.4	57	190	71
12-5292	5	1.30	22.0	20.0	17.6	4.7	0.37	0.81	1361	2	2.8	1.80	1.62	9.2	27.2	610	10	58	42	1.8	17.4	17.2	0.5	4.3	131	0.8	0.7	6.6	5872	3.4	126.1	1	12.4	2.6	83	50	74
12-5293	4	1.30	20.0	21.2	16.6	3.8	0.40	0.80	1624	3	2.3	1.90	1.88	8.2	26.1																						

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
12-5321	4 1.07	18.0	19.6	12.8	4.2	0.32	0.87	923	0.5	1.0	1.70	1.97	9.2	27.8	391	3	44	36	1.5	16.3	19.5	0.5	4.7	167	0.9	0.8	5.6	6638	2.3	112.3	1	12.5	2.1	64	190	65	
12-5323	8 1.01	24.0	22.8	8.8	2.7	0.36	0.73	837	0.5	0.5	2.10	2.14	9.1	18.5	712	3	38	32	2.0	16.3	16.5	0.5	5.2	214	1.0	0.8	6.0	6021	2.4	101.5	2	12.3	2.3	66	250	62	
12-5324	6 0.96	21.0	19.3	9.8	2.4	0.44	0.87	981	0.5	0.5	2.40	2.25	9.3	19.5	664	3	34	27	1.4	19.9	18.8	0.5	5.2	205	0.9	0.9	4.9	7047	2.0	105.2	0.5	14.8	3.0	55	200	64	
12-5325	5 1.15	26.0	23.9	13.0	2.7	0.44	0.79	1292	0.5	1.4	2.20	2.02	8.3	25.4	599	7	41	32	1.8	18.4	19.8	0.5	5.6	174	1.0	1.1	5.9	5902	2.9	111.6	1	15.6	2.8	70	50	68	
12-5326	5 1.04	18.0	16.6	12.6	3.1	0.43	0.98	1339	0.5	0.5	2.40	2.17	9.8	23.6	601	3	37	29	1.2	24.0	22.4	0.5	4.5	187	0.8	0.8	4.9	7265	2.0	111.1	1	13.9	2.8	65	160	69	
12-5327	5 0.90	20.0	18.9	12.6	4.3	0.46	0.82	1138	0.5	0.5	2.30	2.14	10.2	21.1	612	3	35	31	1.2	20.4	19.1	0.5	4.5	184	0.9	0.8	5.2	7079	2.0	103.1	1	13.5	2.8	65	180	68	
12-5328	6 1.09	14.0	13.3	7.1	3.3	0.52	1.26	887	0.5	0.5	2.70	2.37	6.4	22.3	397	7	39	34	0.4	24.9	23.2	0.5	3.8	168	0.6	0.7	4.7	4950	1.4	126.8	0.5	14.7	3.3	95	190	70	
12-5329	6 0.95	15.0	13.1	6.5	2.4	0.50	1.25	944	0.5	0.5	2.70	2.30	5.2	24.9	366	6	34	26	0.4	27.8	25.2	0.5	3.8	192	0.5	0.7	4.0	4724	1.4	134.4	0.5	14.2	3.1	45	150	68	
12-5330	6 0.98	15.0	13.0	6.8	4.0	0.41	1.09	691	0.5	0.5	2.50	2.21	5.2	21.9	367	8	32	28	0.4	25.9	24.2	0.5	3.4	187	0.5	0.7	4.5	4303	1.4	124.1	0.5	12.7	2.8	39	270	69	
12-5331	6 0.98	16.0	15.1	6.8	1.4	0.46	1.24	819	0.5	0.5	2.60	2.30	5.8	22.3	399	7	33	28	0.4	24.4	24.2	0.5	4.1	206	0.6	0.7	4.2	4591	1.4	129.6	0.5	15.9	3.0	48	220	74	
12-5332	6 1.07	16.0	16.1	6.3	3.7	0.33	1.08	783	0.5	0.5	2.20	2.28	5.3	20.9	309	6	30	26	0.3	20.4	23.0	0.5	4.0	189	0.6	0.7	4.9	4244	1.4	120.1	0.5	14.2	2.2	38	210	72	
12-5333	6 1.09	19.0	18.7	6.3	2.2	0.50	1.10	678	0.5	0.5	2.60	2.41	5.2	26.0	329	6	36	30	0.3	22.2	21.6	0.5	4.2	189	0.5	0.8	5.4	3901	1.6	109.8	0.5	14.2	2.9	37	200	68	
12-5334	6 1.10	20.0	17.5	4.9	2.2	0.45	0.88	588	0.5	0.5	2.70	2.48	4.6	21.0	109	5	34	29	0.3	18.1	18.1	0.5	3.7	179	0.5	0.6	5.5	3318	1.5	93.2	0.5	12.8	2.9	30	180	64	
12-5335	7 1.18	20.0	17.6	6.2	2.0	0.49	1.00	673	0.5	0.5	2.70	2.41	5.3	22.0	361	3	40	32	0.3	21.4	20.3	0.5	4.0	188	0.6	0.6	5.6	3812	1.6	103.9	0.5	14.3	3.2	36	240	76	
12-5336	8 1.20	22.0	19.5	5.7	2.2	0.56	0.89	554	0.5	0.5	2.60	2.41	5.8	17.9	218	5	40	32	0.3	21.5	20.9	0.5	4.6	183	0.6	0.8	6.0	3903	1.9	104.6	0.5	16.5	3.6	32	320	84	
12-5337	6 1.17	21.0	19.3	6.3	2.0	0.57	1.02	720	0.5	0.5	2.70	2.37	5.1	20.1	396	14	37	32	0.3	22.5	21.5	0.5	4.8	183	0.4	0.7	5.6	3815	1.7	105.4	0.5	16.0	3.6	56	170	72	
12-5338	7 1.23	21.0	20.0	6.0	2.7	0.57	0.78	521	0.5	0.5	2.60	2.36	5.6	15.2	146	6	37	34	0.3	21.2	20.5	0.5	4.7	168	0.4	0.8	5.8	3617	1.7	97.0	0.5	14.9	3.4	31	260	71	
12-5339	6 1.13	20.0	17.3	4.6	2.2	0.55	0.75	706	0.5	0.5	2.80	2.51	4.3	14.1	258	3	36	30	0.3	18.8	17.8	0.5	4.2	160	0.4	0.7	5.7	3194	1.6	88.5	0.5	13.4	3.1	28	190	60	
12-5341	5 0.98	9.0	10.8	11.2	16.8	0.25	0.71	351	0.5	0.5	1.40	1.53	5.3	22.7	284	12	32	28	0.3	13.9	17.5	0.5	2.4	130	0.4	0.25	4.0	3989	1.4	94.9	0.5	9.9	1.5	46	190	73	
12-5342	8 0.77	9.0	9.0	6.5	8.4	0.38	0.53	367	0.5	0.5	1.80	1.90	7.2	12.1	152	5	26	26	0.9	13.9	14.2	0.5	2.1	130	0.6	0.25	3.2	5955	1.3	97.8	0.5	9.5	2.4	39	210	76	
12-5343	7 1.31	11.0	10.0	10.6	16.5	0.49	0.49	387	0.5	0.5	1.80	1.69	7.8	17.6	348	9	42	40	0.3	13.9	13.8	0.5	2.6	95	0.7	0.25	5.0	3889	1.7	89.8	0.5	11.8	2.7	63	280	82	
12-5344	6 1.13	20.0	13.2	13.4	0.42	0.57	383	0.5	0.5	1.60	1.49	5.9	21.2	314	15	28	27	0.3	23.0	23.6	0.5	3.7	148	0.5	0.6	4.6	4347	1.5	113.1	0.5	13.8	2.9	62	50	76		
12-5345	6 0.95	14.0	12.9	8.8	14.3	0.37	1.61	628	0.5	0.5	1.60	1.43	5.3	82.4	393	8	29	28	0.3	18.2	17.7	0.5	3.1	124	0.5	0.5	4.5	3116	1.4	90.1	0.5	11.4	2.4	41	210	66	
12-5346	6 1.03	11.0	11.3	6.7	18.9	0.33	0.80	524	0.5	0.5	1.20	1.10	7.4	23.2	346	10	31	31	0.3	15.2	15.0	0.5	1.9	142	0.5	0.25	3.7	5747	1.2	189.9	0.5	7.7	1.8	37	160	63	
12-5347	5 0.59	11.0	10.4	9.5	22.2	0.37	0.92	491	0.5	0.5	1.50	1.31	4.2	31.2	476	7	17	19	0.2	23.7	23.0	0.5	2.5	123	0.3	0.25	3.4	4294	1.1	114.8	0.5	11.5	2.1	54	210	62	
12-5348	5 0.64	17.0	15.5	6.9	26.5	0.50	0.50	343	0.5	0.5	1.50	1.30	4.7	13.5	324	6	15	22	0.2	21.5	20.8	0.5	3.9	93	0.4	0.7	8.2	3920	1.6	111.7	0.5	14.8	3.1	26	50	61	
12-5349	10 1.22	18.0	15.3	11.8	5.9	0.65	1.65	588	0.5	0.5	2.40	2.05	8.3	32.5	163	3	41	37	0.5	26.3	23.5	0.5	4.2	129	0.8	0.9	4.9	5576	1.8	133.5	0.5	18.0	4.2	75	280	93	
12-5350	3 0.46	7.0	7.5	7.0	40.4	0.26	0.42	323	0.5	0.5	0.85	0.66	4.4	15.3	383	3	12	17	0.1	12.7	12.9	0.5	1.8	52	0.5	0.25	3.3	3534	0.9	111.8	0.5	8.3	1.7	29	50	39	
12-5351	4 0.87	10.0	10.4	4.6	18.7	0.29	0.92	427	0.5	0.5	1.40	1.62	4.2	15.7	290	3	29	25	0.3	12.9	16.3	0.5	2.4	105	0.4	0.25	3.5	3029	1.2	83.2	0.5	8.9	1.5	27	190	48	
12-5352	3 0.57	10.0	9.2	4.1	27.9	0.25	0.55	315	0.5	0.5	1.30	1.17	2.9	15.6	300	3	16	18	0.05	17.2	18.4	0.5	2.6	79	0.3	0.25	4.4	2732	1.1	120.0	0.5	8.5	1.4	23	50	33	
12-5353	6 0.98	15.0	13.0	10.3	7.5	0.38	0.68	580	0.5	0.5	1.90	1.73	5.7	23.6	152	5	36	34	0.7	14.8	14.5	0.5	2.7	116	0.5	0.5	5.4	3664	1.3	88.1	0.5	9.6	2.5	39	190	60	
12-5354	8 0.96	14.0	13.0	8.6	9.3	0.40	0.39	363	0.5	0.5	1.80	1.78	7.7	7.7	183	6	37	30	0.5	11.3	11.1	0.5	2.5	121	0.6	0.25	4.0	5043	1.4	91.8	0.5	8.7	2.4	27	240	76	
12-5355	8 1.13	15.0	14.2	8.0	4.3	0.45	0.63	543	0.5	0.5	2.00	1.89	6.7	13.3	217	3	41	34	0.7	13.4	13.3	0.5	2.9	131	0.7	0.5	4.4	3890	1.5	78.4	0.5	10.9	2.8	35	250	75	
12-5356	5 0.86	12.0	11.7	14.7	17.2	0.39	0.74	443	0.5	0.5	1.50	1.40	5.5	23.2	316	3	29	27	0.3	16.1	16.3	0.5	2.6	102	0.5	0.25	5.2	3542	1.3	93.2	0.5	11.0	2.3	31	140	60	
12-5357	4 0.58	10.0	9.9	11.2	26.4	0.31	0.42	348	0.5	0.5	1.20	1.04	6.0	13.4	358	3	21	21	0.6	13.3	13.5	0.5	2.2	85	0.4	0.25	3.5	5441	1.1	164.4	0.5	9.3	1.7	41	50	52	
12-5358	9 1.17	14.0	13.2	10.4	5.7	0.39	0.72	593	0.5	0.5	1.60	1.51	6.3	16.0	208	6	34	31	1.4	14.7	15.4	0.5	2.5	118	0.5	0.25	4.0	3939	1.4	93.1	0.5	10.7	2.4	43	240	68	
12-5360	6 0.80	11.0	11.1	7.0	13.7	0.29	0.70	445	0.5	0.5	1.50	1.42	4.5	16.4	274	3	27	26	0.6	14.7	15.4	0.5	2.3	112	0.5	0.25	4.1	3418	1.3	89.6	0.5	9.6	2.0	32	160	56	
12-5361	7 1.20	28.0	17.9	25.0	11.5	0.50	0.67	528	0.5	0.5	1.40	1.25	7.7	18.5	225	15	65	50	2.3	15.9	15.9	0.5	5.6	75	1.0	1.0	10.8	3818	4.8	84.1	2	9.2	3.3	64	210	64	
12-5362	8 1.31	31																																			

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Yr-Sample Number	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1	Mo2	Na1	Na2	Nb2	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn2	Zr1	Zr2
12-5389	11	2.73	33.0	23.1	9.3	2.2	0.69	0.01	224	0.5	0.5	2.00	2.14	4.3	1.1	310	24	110	82	0.5	3.4	3.3	0.5	8.7	80	0.6	1.6	18.6	995	3.6	10.6	0.5	9.8	4.9	13	280	66
12-5390	13	2.71	41.0	27.8	14.7	2.2	1.10	0.23	428	0.5	0.5	2.10	2.00	7.7	4.7	270	21	110	84	0.9	6.8	7.0	0.5	10.5	78	1.0	1.8	19.4	2137	3.4	23.8	0.5	13.5	7.0	24	370	64
12-5391	13	2.45	47.0	36.2	8.4	2.7	1.30	0.33	501	0.5	0.5	1.80	1.75	6.5	8.4	308	20	86	64	0.7	7.9	7.9	0.5	12.4	66	0.6	2.3	20.7	2761	3.2	36.3	0.5	17.4	8.6	27	350	49
12-5392	11	2.33	41.0	24.1	7.7	2.2	0.76	0.35	456	0.5	0.5	1.80	1.82	7.6	10.3	300	15	93	70	0.6	7.6	7.6	0.5	10.0	64	0.8	1.7	16.2	2998	2.8	38.8	1	10.1	5.0	27	300	56
12-5393	10	2.34	41.0	19.0	8.8	2.3	0.82	0.22	450	0.5	0.5	1.80	1.72	6.8	8.0	293	19	99	75	0.5	7.4	7.2	0.5	10.0	60	0.8	1.6	16.0	2447	3.1	28.5	1	10.3	5.5	23	320	46
12-5394	10	1.80	34.0	19.1	11.3	3.7	0.59	0.59	528	0.5	0.5	1.70	1.45	8.5	16.3	260	18	83	62	0.7	12.0	11.0	0.5	8.3	47	1.0	1.4	13.1	3828	2.9	59.5	2	7.9	4.0	39	170	58
12-5395	8	1.62	29.0	19.0	12.2	6.1	0.43	0.48	700	0.5	0.5	1.40	1.24	9.9	16.1	255	16	80	60	1.6	10.0	9.3	0.5	6.3	45	1.0	1.0	10.8	4154	2.4	56.4	5	6.7	2.5	42	210	65
12-5396	5	1.46	35.0	23.3	17.2	11.0	0.43	0.92	936	0.5	1.3	1.00	0.84	11.6	36.4	370	26	68	59	4.2	16.5	16.5	0.5	6.7	43	1.2	1.1	10.8	5131	3.0	98.6	2	9.1	3.0	99	50	71
12-5397	13	1.20	44.0	25.6	3.0	2.8	0.65	0.12	483	0.5	0.5	0.59	0.60	20.6	0.5	78	3	49	37	1.6	11.9	10.4	0.5	8.3	19	2.1	1.1	10.6	9547	2.8	71.0	5	4.7	4.0	9	400	79
12-5398	5	0.31	8.0	5.8	6.0	23.7	0.35	340	1736	0.5	0.5	0.64	0.60	13.5	46.7	156	3	18	17	0.4	45.8	50.7	0.5	3.3	63	1.0	0.6	0.7	19622	0.2	443.6	1	15.8	2.0	81	50	13
12-5399	10	1.08	30.0	20.3	13.2	4.7	0.44	0.43	460	0.5	1.0	1.50	1.31	8.8	14.9	385	14	59	42	3.4	10.8	9.9	0.5	6.1	58	1.5	0.9	11.3	3838	2.7	60.4	3	7.9	2.9	46	350	70
12-5400	9	0.89	25.0	21.4	19.9	3.9	0.48	0.59	482	0.5	0.5	1.50	1.34	6.0	28.8	267	5	53	37	7.0	17.0	16.5	0.5	5.7	83	0.9	0.9	6.8	4327	2.3	98.7	2	11.0	2.9	54	280	67
12-5402	5	0.50	16.0	11.7	19.9	28.4	0.36	0.33	1195	0.5	0.5	0.88	0.59	4.2	15.8	578	9	22	18	2.5	15.1	14.6	0.5	3.2	49	0.5	0.5	5.2	3692	1.8	103.2	0.5	8.0	2.4	95	150	54
12-5403	9	1.52	38.0	20.0	18.1	12.5	0.64	0.60	566	0.5	0.5	1.10	0.87	8.5	21.9	529	9	81	69	5.6	14.6	13.5	0.5	7.2	33	1.4	1.0	13.2	3119	2.9	66.4	2	8.6	4.1	77	300	101
12-5404	11	1.94	45.0	32.4	9.8	6.7	0.92	0.38	325	0.5	0.5	1.50	1.26	9.2	20.1	279	17	83	60	0.5	9.4	8.8	0.5	10.0	60	0.9	1.5	17.9	3101	3.1	47.1	2	10.2	5.8	34	400	55
12-5405	14	2.30	55.0	42.7	6.8	4.4	1.30	0.23	296	0.5	0.5	1.80	1.65	9.3	6.0	269	22	95	69	0.4	6.0	5.8	0.5	12.6	70	0.7	2.0	23.5	1705	3.3	23.8	0.5	15.5	8.4	16	390	52
12-5406	20	2.58	85.0	68.9	7.1	2.8	1.70	0.14	294	0.5	0.5	2.10	1.83	6.1	1.4	315	23	100	68	0.6	5.3	4.9	0.5	19.4	77	0.6	3.0	35.1	1683	4.0	15.5	0.5	20.7	10.0	16	530	73
12-5407	11	2.49	44.0	34.9	9.6	5.6	0.93	0.13	242	0.5	0.5	2.00	1.77	4.9	2.5	229	23	110	75	0.6	4.6	4.6	0.5	10.8	64	0.6	1.9	21.4	1248	3.2	21.0	0.5	12.1	6.0	17	340	60
12-5408	24	2.80	21.0	11.0	7.3	0.51	0.01	193	0.5	0.5	1.60	1.67	5.2	0.5	318	23	97	69	0.5	2.8	3.4	0.5	7.2	64	0.7	1.3	15.5	1346	3.0	20.2	0.5	8.5	3.0	15	260	63	
12-5409	8	2.47	29.0	25.1	10.7	2.5	0.51	0.01	198	0.5	0.5	2.20	2.11	2.8	0.5	322	23	110	79	0.5	2.6	2.8	0.5	6.8	76	0.4	1.2	15.0	753	2.8	10.8	0.5	8.4	3.3	11	210	54
12-5410	8	2.49	28.0	25.7	10.4	2.6	0.46	0.01	215	0.5	0.5	2.00	2.10	2.8	0.5	254	22	110	72	0.5	3.1	3.6	0.5	6.5	77	0.5	1.1	14.5	967	2.9	14.1	0.5	8.6	3.0	11	200	72
12-5411	12	2.63	45.0	37.0	11.6	1.1	0.75	0.14	273	0.5	0.5	2.50	2.24	4.5	0.5	454	22	120	79	0.7	4.6	4.6	0.5	10.3	82	0.6	1.7	21.7	1348	4.5	17.3	0.5	11.9	4.9	16	310	91
12-5412	12	2.61	44.0	13.8	10.5	2.6	1.20	0.11	300	0.5	0.5	2.10	1.79	3.9	0.5	270	24	110	74	0.7	5.8	5.2	0.5	11.2	59	0.6	1.9	21.4	1328	3.5	19.4	0.5	8.7	7.8	15	350	57
12-5413	13	2.88	51.0	12.8	8.0	1.4	1.60	0.01	292	0.5	0.5	2.10	1.79	3.3	0.5	280	27	120	72	0.5	4.8	4.0	0.5	13.9	52	0.4	2.6	23.2	935	3.2	11.9	0.5	9.6	10.0	13	340	39
12-5414	10	2.72	43.0	9.6	8.7	2.9	1.30	0.11	348	0.5	0.5	2.00	1.72	3.8	1.0	281	26	110	73	0.6	6.2	5.5	0.5	12.6	47	0.6	2.5	20.0	1218	3.4	17.0	0.5	10.1	9.3	45	170	39
12-5415	8	1.96	41.0	8.4	13.0	9.2	0.81	0.18	2315	0.5	1.1	1.60	1.38	7.7	7.0	405	22	95	70	0.7	10.0	9.1	0.5	9.3	51	0.9	1.3	15.9	2621	2.7	46.9	0.5	9.9	5.3	45	170	35
12-5416	8	2.00	25.0	11.5	16.7	3.5	0.42	0.37	538	0.5	0.5	1.80	1.51	6.1	16.1	227	18	99	68	1.3	11.4	10.8	0.5	7.2	54	0.9	1.3	11.4	2923	2.8	50.1	1	6.7	2.9	37	230	57
12-5417	7	2.06	26.0	17.8	14.8	10.1	0.30	0.46	590	0.5	1.5	1.00	1.07	9.5	21.3	303	17	110	74	1.6	10.0	12.9	0.5	6.9	51	1.3	1.2	10.9	4534	2.9	84.1	2	6.9	2.0	49	230	77
12-5418	6	1.42	31.0	24.6	13.2	15.5	0.31	0.71	1149	0.5	1.6	1.00	0.87	7.5	40.5	406	26	74	56	3.1	12.5	13.9	0.5	5.8	50	1.2	0.9	10.8	4183	2.6	86.3	2	8.6	2.0	97	210	76
12-5419	6	0.75	20.0	14.5	22.8	10.1	0.39	0.72	615	0.5	1.1	1.40	1.23	3.5	34.2	397	8	38	27	4.1	16.3	16.8	0.5	4.5	86	0.7	5.5	3713	1.9	97.9	0.5	8.9	2.4	78	180	53	
12-5421	11	0.92	35.0	16.2	11.2	8.9	0.53	0.32	397	0.5	0.5	1.10	0.92	5.4	7.8	490	9	62	47	2.9	11.2	10.7	0.5	6.3	61	1.2	0.9	9.3	2990	2.5	72.7	2	7.6	3.2	36	340	79
12-5422	7	0.79	24.0	16.2	16.6	8.5	0.44	0.62	582	0.5	0.5	1.50	1.28	3.6	31.8	369	9	34	25	4.8	16.7	16.0	0.5	4.8	85	1.0	0.7	5.8	3095	2.0	95.6	1	9.5	2.7	63	290	55
12-5423	5	1.27	28.0	18.7	5.3	0.44	0.46	1397	0.5	1.4	1.60	1.52	4.4	8.7	211	9	58	40	1.9	13.4	13.3	0.5	4.9	91	0.8	0.8	6.4	3064	2.5	98.0	1	7.3	3.0	52	50	61	
12-5424	9	0.66	21.0	14.8	16.1	5.9	0.38	0.31	468	0.5	0.5	1.50	1.30	2.4	25.2	371	9	32	18	5.4	11.0	10.8	0.5	4.2	81	0.9	0.6	6.8	1913	2.2	51.4	2	6.3	2.6	69	330	59
12-5425	7	2.46	20.0	14.7	25.9	14.7	1.00	0.55	377	4	4.9	0.50	0.26	7.3	12.2	479	6	84	64	2.8	19.2	20.8	0.5	5.4	29	1.0	1.3	5.5	4232	1.9	107.7	1	6.4	6.5	118	160	60
12-5426	10	0.66	31.0	19.7	10.4	3.5	0.46	0.24	305	0.5	0.5	1.50	1.36	5.4	3.0	137	10	70	48	3.0	11.6	10.9	0.5	6.0	86	1.3	0.8	6.9	3415	2.2	73.8	2	6.8	2.8	33	380	72
12-5427	3	0.96	32.0	30.5	35.3	45.3	0.54	0.33	2978	2	2.3	0.44	0.17	1.6	31.6	1202	31	35	28	1.9	21.5	23.1	3.0	13.0	36	0.6	2.1	13.4	1275	6.5	72.7	0.5	33.5	4.4	80	50	55
12-5428	6	2.16	17.0	9.1	18.5	4.9	0.24	0.19	315	0.5	1.2	1.80	1.80	9.0	4.8	528	22	120	88	1.1	6.7	7.0	0.5	6.2	45	0.9	1.5	10.0	1910	3.8	33.1	2	5.8	2.1	36	190	5

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Yr-Sample Number	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1	Mo2	Na1	Na2	Nb2	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn2	Zr1	Zr2
ppm	pct	ppm	ppm	ppm	pct	ppm	pct	pct	ppm	ppm	ppm	pct	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
12-5456	8 0.73	21.0	14.5	15.6	8.8	0.33	0.65	0.65	577	0.5	0.5	1.60	1.42	4.0	25.6	374	3	39	25	3.5	15.7	15.1	0.5	4.0	119	0.7	0.7	5.8	3758	1.7	98.0	2	8.6	2.4	58	50	51
12-5457	7 0.51	15.0	10.3	13.9	13.1	0.34	0.92	0.88	689	0.5	0.5	1.50	1.32	4.5	26.1	305	3	22	16	2.8	19.7	19.2	0.5	3.2	119	0.7	0.6	4.1	5063	1.4	121.9	0.5	9.5	2.8	41	230	44
12-5458	9 1.04	25.0	18.4	30.9	9.6	0.42	0.28	404	0.5	0.5	1.10	1.07	3.2	21.1	589	3	55	41	7.2	11.9	12.1	0.5	4.5	86	1.0	0.8	7.6	2321	2.1	73.9	0.5	6.5	2.9	96	280	70	
12-5459	9 0.82	21.0	14.4	25.1	6.2	0.43	0.41	458	0.5	0.5	1.40	1.36	3.4	25.5	384	8	36	26	6.4	12.3	12.9	0.5	4.0	89	0.8	0.8	6.1	2674	2.0	69.9	1	8.0	2.5	81	220	67	
12-5460	3 1.11	19.0	13.9	18.8	9.2	0.38	0.62	913	2	1.8	1.50	1.43	3.6	21.2	446	14	40	33	1.9	15.0	16.8	0.5	3.8	85	0.8	0.7	5.7	2905	2.1	101.1	0.5	9.0	2.6	146	50	60	
12-5461	4 1.08	22.0	14.0	17.2	6.5	0.33	0.47	821	2	1.7	1.30	1.47	4.0	6.0	142	7	45	32	1.0	11.3	13.7	0.5	4.7	83	0.8	0.8	5.8	3008	2.3	100.0	2	6.9	2.6	57	180	55	
12-5462	3 0.74	16.0	12.2	21.4	21.4	0.30	0.65	826	0.5	1.3	1.30	1.21	5.0	19.6	554	8	31	26	0.8	15.7	16.2	0.5	3.1	93	0.6	0.6	4.7	3995	1.8	106.6	0.5	9.4	2.5	133	50	50	
12-5463	5 0.84	22.0	17.0	15.1	7.0	0.46	0.62	744	0.5	1.9	1.80	1.69	7.5	16.0	301	7	33	28	1.3	16.6	16.3	0.5	4.3	122	0.8	0.8	5.9	5469	2.3	108.8	0.5	11.6	3.2	74	190	67	
12-5464	6 1.80	27.0	16.7	8.4	17.6	0.51	0.37	778	1	2.0	0.86	0.54	3.8	12.4	562	8	78	55	1.4	28.2	27.6	0.5	5.0	52	1.4	0.9	4.6	2316	2.1	273.6	2	6.7	3.9	301	50	72	
12-5465	5 0.68	18.0	10.6	20.3	14.7	0.40	0.57	1128	1	2.1	1.40	1.23	5.0	20.8	559	11	25	24	1.5	19.9	19.1	0.5	3.5	100	0.6	0.8	5.4	4546	2.3	120.2	1	10.1	2.8	122	50	56	
12-5466	4 0.90	20.0	15.4	16.6	17.4	0.46	0.45	803	1	1.4	1.60	1.40	5.8	14.1	1227	10	37	27	1.2	15.5	15.8	0.5	4.2	116	0.6	1.0	4.9	4414	2.6	109.7	0.5	14.6	3.7	164	50	46	
12-5467	10 1.68	43.0	33.6	25.9	22.2	0.40	0.25	1175	0.5	0.5	1.40	1.06	3.5	8.7	713	17	77	55	4.3	10.4	10.2	0.5	5.7	147	0.4	0.9	14.2	1451	2.6	78.6	0.5	8.1	2.4	94	290	46	
12-5468	7 0.94	28.0	24.3	13.9	5.0	0.40	0.59	596	0.5	1.0	1.70	1.63	7.8	20.6	253	9	41	30	2.9	15.1	15.8	0.5	5.3	121	0.8	0.9	7.4	4944	2.5	92.0	1	12.6	3.2	70	50	75	
12-5469	4 1.10	21.0	19.0	18.7	6.0	0.34	0.75	669	0.5	1.2	1.70	1.66	7.4	15.3	420	3	50	38	1.2	15.5	16.4	0.5	4.0	117	0.8	0.7	4.5	4895	2.2	112.1	1	10.8	2.7	84	50	59	
12-5470	5 1.18	19.0	18.9	17.6	4.6	0.35	0.71	1099	2	1.7	1.70	1.87	11.4	16.3	394	3	55	34	1.1	15.6	17.4	0.5	4.3	152	1.1	0.8	6.0	7655	2.9	123.5	1	12.5	2.4	77	50	72	
12-5471	9 1.22	50.0	38.9	23.5	6.4	0.59	1.02	427	5	4.8	1.70	1.67	8.5	21.8	248	8	55	39	2.2	12.7	13.1	0.5	7.8	63	1.4	1.3	16.8	3633	5.1	72.6	4	11.1	4.1	49	50	78	
12-5472	7 1.10	23.0	18.0	24.7	5.7	0.50	0.73	614	0.5	0.5	1.60	1.50	8.1	21.2	221	12	54	37	3.1	17.8	18.0	0.5	5.2	84	1.0	0.9	10.0	4490	3.4	96.5	1	8.6	3.2	63	170	75	
12-5473	6 1.01	26.0	18.2	13.4	5.6	0.53	0.82	478	0.5	1.0	1.90	1.68	6.5	18.1	218	10	46	33	3.6	16.0	15.7	0.5	5.2	85	1.1	0.9	10.1	3982	3.7	92.0	2	8.2	2.8	53	260	72	
12-5474	6 1.09	25.0	19.4	17.1	6.1	0.41	0.78	545	0.5	1.1	1.50	1.44	6.8	20.6	182	14	51	39	3.1	16.5	17.1	0.5	5.0	76	0.9	0.9	8.6	4108	3.1	92.9	2	8.2	3.1	52	220	75	
12-5475	7 1.23	31.0	25.2	19.8	6.3	0.66	0.78	542	48	43.1	1.60	1.47	7.7	21.0	169	12	56	42	2.9	17.8	17.7	0.5	6.3	79	1.1	1.2	10.1	4279	10.3	94.1	2	11.2	3.6	51	210	73	
12-5477	22 1.75	47.0	41.9	46.1	7.5	0.89	1.35	913	0.5	0.5	1.40	1.25	23.5	22.9	756	9	110	77	1.3	24.1	23.4	0.5	9.1	86	1.9	1.7	26.2	8070	3.1	113.6	2	32.5	6.6	98	680	64	
12-5478	39 1.76	61.0	31.7	62.1	1.20	0.16	521	0.5	1.2	2.80	3.06	24.9	2.3	25.1	14	92	73	0.8	10.0	9.4	0.5	9.5	179	2.2	1.6	23.3	7906	5.1	69.8	0.5	9.8	8.0	19	1100	205		
12-5479	11 1.67	42.0	28.6	29.5	8.3	0.64	1.19	793	0.5	0.5	1.50	1.35	16.2	30.6	209	19	89	65	0.9	20.3	21.1	0.5	8.5	82	1.4	1.5	16.6	6769	3.2	113.0	0.5	12.1	4.1	76	330	49	
12-5480	21 2.15	65.0	43.2	31.9	5.6	1.00	0.97	739	0.5	1.1	1.40	1.40	18.3	19.8	337	17	130	89	2.0	18.1	21.1	0.5	13.8	85	2.2	2.1	30.0	5660	7.1	91.9	3	15.6	6.0	83	640	88	
12-5481	13 1.48	28.0	16.1	9.3	12.2	0.70	0.20	229	0.5	0.5	1.50	1.53	19.3	4.4	303	10	71	53	1.4	8.8	9.6	0.5	5.4	58	2.1	1.0	12.9	5421	3.5	105.6	2	7.9	4.7	20	370	91	
12-5482	15 1.76	60.0	23.6	38.4	24.5	0.90	0.53	513	0.5	0.5	0.80	0.69	19.1	15.8	1025	13	94	73	1.0	18.2	18.9	0.5	10.9	49	1.7	1.9	20.1	6743	3.2	129.2	2	9.7	5.8	65	330	37	
12-5483	23 2.26	73.0	32.4	32.6	5.3	1.10	0.66	605	0.5	0.5	1.60	1.57	18.6	13.9	274	14	110	76	0.5	20.2	20.4	0.5	13.8	100	1.8	2.2	29.5	4933	4.1	64.6	0.5	14.3	7.2	70	540	68	
12-5484	21 2.59	86.0	51.3	35.0	6.1	1.30	0.94	860	0.5	0.5	1.80	1.75	19.2	20.0	611	16	130	92	0.8	19.6	20.5	0.5	15.7	125	1.8	2.6	31.2	5866	3.7	85.0	1	18.8	8.5	91	470	73	
12-5485	4 2.52	17.0	13.3	15.0	0.33	0.34	3009	0.5	0.5	1.80	1.92	18.7	8.7	141.5	8	160	114	0.2	8.9	9.9	0.5	3.1	42	2.0	0.6	5.9	2584	3.0	47.8	3	7.4	2.3	32	50	34		
12-5486	6 1.24	18.0	16.3	17.0	4.1	0.39	1.10	1079	0.5	0.5	1.70	1.61	7.3	23.4	130	7	51	37	1.2	18.0	20.0	0.5	3.9	131	0.7	0.7	5.5	4406	2.2	111.7	0.5	13.9	2.8	64	50	81	
12-5487	4 0.99	18.0	15.6	18.7	6.7	0.32	0.66	1400	3	3.5	1.60	1.62	6.4	40.6	505	8	42	33	1.6	14.0	15.3	0.5	3.6	120	0.6	0.6	6.3	3907	2.7	91.6	0.5	11.1	2.1	68	50	68	
12-5488	4 1.04	19.0	20.6	18.0	6.9	0.34	0.70	4201	1	1.7	1.60	1.60	7.1	27.2	654	16	42	31	1.3	14.7	17.2	0.5	4.6	121	0.6	0.8	5.5	4205	2.4	100.7	0.5	15.3	2.5	72	50	66	
12-5489	5 0.84	18.0	15.1	12.4	5.0	0.35	0.77	1093	0.5	0.5	2.10	2.08	9.4	20.4	354	7	35	24	0.7	17.7	17.7	0.5	3.7	173	0.7	0.8	5.5	6391	2.1	99.7	1	12.4	2.5	57	200	78	
12-5490	3 0.41	18.0	16.2	25.9	38.0	0.41	0.28	1108	2	2.8	0.71	0.45	6.3	16.3	1266	7	21	18	0.5	11.9	12.1	0.5	4.3	55	0.5	0.8	6.0	3492	2.2	80.2	2	18.3	3.2	62	190	67	
12-5491	3 0.39	11.0	8.9	22.6	34.9	0.29	0.30	1208	2	2.4	0.74	0.52	4.6	12.5	1161	7	22	18	0.6	13.9	13.4	0.5	2.5	56	0.4	0.25	4.7	3133	1.5	78.6	0.5	9.1	2.3	87	50	55	
12-5492	6 1.02	17.0	14.1	15.4	3.9	0.36	0.78	780	0.5	0.5	2.30	2.18	10.8	18.0	306	3	39	26	0.7	15.5	15.7	0.5	3.5	204	1.0	0.8	4.5	7252	2.0	85.1	0.5	12.8	2.6	51	210	77	
12-5493	5 0.95	16.0	15.1	12.4	5.0	0.35	0.77	1093	0.5	0.5	2.10	2.08	9.4	20.4	354	7	35	24	0.7	17.7	17.7	0.5	3.7	173	0.7	0.8	5.5	6391	2.1	99.7	1	12.4	2.5	57	200	78	
12-5494	5 0.96	23.0	20.2	10.5	2.5	0.39	0.67	1190	0.5	1.0	2.30	2.27	9.7	17.2	555	3	35	22																			

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
12-5522	5 1.06	24.0	20.7	20.2	2.9	0.43	0.87	729	0.5	1.2	2.30	2.01	6.7	31.0	233	11	47	30	0.7	18.4	17.0	0.5	5.0	203	0.6	0.9	6.0	4702	2.3	85.1	1	17.1	2.7	61	50	69	
12-5524	5 1.13	22.0	19.2	18.1	5.0	0.39	0.95	704	0.5	1.1	2.00	1.82	7.4	36.4	243	16	49	33	0.9	18.5	18.5	0.5	4.5	170	0.6	0.8	7.5	4884	2.6	99.5	0.5	15.6	2.7	71	50	71	
12-5525	5 1.04	21.0	19.5	12.3	2.2	0.37	0.70	1115	0.5	1.1	2.10	2.01	7.8	25.7	515	9	41	26	1.0	17.3	17.1	0.5	4.9	177	0.7	0.9	5.1	4950	2.1	83.6	0.5	17.0	2.6	74	50	67	
12-5526	5 1.02	16.0	15.2	11.4	3.2	0.35	0.69	1166	2	1.5	2.10	1.98	7.6	21.0	302	8	35	24	1.0	15.9	16.3	0.5	3.9	175	0.7	0.8	4.9	5016	2.1	86.7	0.5	15.2	2.7	54	50	64	
12-5800	4 0.29	9.0	9.2	3.7	19.1	0.44	0.61	370	0.5	0.5	2.20	2.40	7.5	10.4	456	3	6	8	0.2	20.5	23.1	0.5	2.5	175	0.4	0.6	2.2	12745	0.9	335.8	0.5	12.0	2.4	25	150	65	
12-5801	4 0.24	8.0	8.4	3.2	21.5	0.46	2.57	1231	0.5	0.5	1.20	1.31	5.5	30.0	529	3	2.5	7	0.05	33.0	39.1	0.5	2.4	108	0.3	0.6	1.9	14995	0.7	361.0	0.5	13.9	2.2	87	50	49	
12-5802	5 8.00	13.0	13.7	10.1	14.8	0.38	0.70	385	0.5	0.5	1.60	1.61	5.2	22.1	366	14	19	22	0.05	20.0	22.9	0.5	3.1	135	0.5	0.6	4.0	4498	1.4	117.5	0.5	12.1	2.4	53	240	83	
12-5803	9 1.81	14.0	13.5	6.8	4.7	0.52	0.56	472	0.5	0.5	2.20	2.22	9.6	10.5	213	7	67	52	0.3	12.2	13.3	0.5	2.9	132	1.0	0.7	8.9	3488	2.5	76.7	0.5	12.1	3.6	40	270	109	
12-5805	9 1.91	10.0	11.8	8.9	9.6	0.50	0.39	370	0.5	1.2	1.80	1.92	12.1	8.5	281	9	73	57	0.2	8.1	9.6	0.5	2.8	95	1.5	0.7	10.0	3645	3.0	72.5	0.5	12.2	3.2	44	280	120	
12-5806	6 1.16	15.0	14.7	8.6	9.2	0.39	0.75	589	0.5	0.5	2.00	1.91	6.1	17.6	285	8	32	30	0.2	15.6	16.9	0.5	3.0	158	0.6	0.6	4.9	3980	1.7	93.1	0.5	10.8	2.4	37	190	89	
12-5807	5 1.02	17.0	15.6	8.6	9.1	0.48	1.17	578	0.5	0.5	2.10	1.90	5.1	28.0	347	8	26	23	0.05	24.8	25.8	0.5	4.1	182	0.4	0.7	4.8	4074	1.8	119.6	0.5	12.9	2.9	43	50	81	
12-5808	5 1.04	15.0	14.3	7.4	9.4	0.42	0.61	385	0.5	0.5	2.10	2.00	5.4	16.2	234	7	29	25	0.05	16.5	18.2	0.5	3.0	144	0.5	0.5	5.2	3806	1.5	96.2	0.5	10.5	2.7	34	190	82	
12-5809	6 0.69	8.0	7.6	5.4	20.1	0.38	1.09	413	0.5	0.5	1.40	1.36	5.7	34.6	280	3	19	20	0.05	18.0	19.1	0.5	1.9	87	0.6	0.25	3.2	4556	1.3	114.3	0.5	7.8	2.2	29	200	71	
12-5810	4 0.72	10.0	9.7	4.8	12.3	0.38	1.31	644	0.5	0.5	2.00	1.93	3.8	24.7	287	3	19	19	0.05	21.0	22.6	0.5	2.7	137	0.4	0.6	2.8	4428	1.0	122.6	0.5	11.2	2.7	39	50	53	
12-5811	5 1.24	18.0	17.5	5.8	4.3	0.44	0.69	462	0.5	0.5	2.40	2.38	4.8	15.0	123	3	35	28	0.05	14.3	15.9	0.5	3.4	149	0.5	0.6	5.5	2994	1.5	82.8	0.5	10.6	2.5	26	150	67	
12-5812	5 1.08	16.0	15.4	5.9	9.0	0.42	0.53	377	0.5	0.5	2.10	2.24	4.8	13.0	187	3	30	21	0.05	12.0	13.8	0.5	2.9	135	0.4	0.5	5.7	3365	1.4	79.5	0.5	9.2	2.3	29	220	69	
12-5813	8 1.17	15.0	14.5	7.2	3.2	0.47	0.71	556	0.5	0.5	2.10	2.07	7.7	15.4	198	12	40	30	0.7	15.6	17.3	0.5	3.5	143	0.6	0.7	5.1	3999	1.8	97.1	0.5	12.9	2.8	44	240	94	
12-5814	6 1.05	13.0	13.0	7.0	11.6	0.39	0.63	433	0.5	0.5	1.90	1.82	6.1	13.5	401	3	34	24	0.5	13.4	14.7	0.5	2.8	123	0.5	0.6	5.0	3504	1.6	71.3	0.5	10.4	2.2	39	160	84	
12-5815	6 0.77	12.0	11.3	7.9	8.6	0.43	1.20	601	0.5	0.5	1.60	1.46	5.1	25.7	190	3	27	21	0.6	20.4	21.6	0.5	2.8	121	0.5	0.6	4.4	4206	1.4	128.1	0.5	10.0	2.4	43	160	66	
12-5816	6 0.89	13.0	12.7	7.6	17.3	0.36	0.93	479	0.5	0.5	1.40	1.31	5.9	15.6	281	3	27	23	0.05	15.4	16.4	0.5	2.4	117	0.5	0.25	4.3	4044	1.6	101.1	0.5	8.5	2.4	29	180	73	
12-5817	5 0.75	10.0	9.9	5.7	21.3	0.40	0.89	465	0.5	0.5	1.20	1.11	5.3	19.3	275	3	20	19	0.05	20.2	21.6	0.5	2.6	110	0.6	0.25	4.4	3946	1.3	130.1	0.5	9.7	2.5	30	160	68	
12-5818	8 0.95	17.0	14.9	8.4	3.4	0.50	0.65	581	0.5	0.5	1.80	1.63	6.3	15.2	193	5	33	24	1.2	15.4	15.8	0.5	4.0	119	0.6	0.7	4.9	3800	1.8	90.5	0.5	12.0	3.4	40	250	86	
12-5819	8 0.92	14.0	12.4	7.1	2.4	0.43	0.62	565	0.5	0.5	1.90	1.70	5.0	15.4	224	6	33	23	1.1	13.8	14.1	0.5	3.1	125	0.5	0.6	4.8	3345	1.7	82.1	0.5	10.1	2.7	34	200	71	
12-5820	7 1.36	39.0	31.7	13.2	6.6	0.64	1.24	704	6	7.9	1.90	2.01	17.1	20.5	284	9	65	56	0.8	16.4	18.0	0.5	6.6	73	1.8	1.1	10.0	8674	3.7	138.9	2	7.0	3.7	46	200	99	
12-5821	9 0.86	32.0	25.2	8.1	15.6	0.52	0.42	476	0.5	0.5	1.30	1.33	15.9	9.3	476	9	38	32	0.2	11.2	12.1	0.5	5.4	47	1.2	0.9	8.6	7522	2.5	79.0	1	5.9	3.0	40	270	92	
12-5822	12 1.96	47.0	26.0	8.8	4.0	0.72	0.48	609	0.5	1.4	1.80	1.66	10.0	14.9	272	14	86	68	1.0	10.7	10.6	0.5	10.0	71	1.0	1.8	17.2	4409	3.1	57.2	1	10.2	5.1	37	320	69	
12-5823	7 1.43	27.0	21.4	13.1	3.5	0.40	0.60	1014	0.5	0.5	1.40	1.40	11.6	19.6	361	14	65	55	1.4	10.7	11.9	0.5	5.5	64	1.0	1.0	8.9	4818	2.5	68.9	3	8.4	2.1	70	270	70	
12-5824	11 1.79	36.0	24.5	9.3	1.8	0.46	0.45	812	0.5	0.5	1.50	1.54	11.3	14.3	297	14	77	61	0.8	8.2	8.8	0.5	8.7	54	1.2	1.6	14.0	4910	3.4	45.6	4	9.1	3.0	37	300	81	
12-5825	7 1.28	27.0	14.7	11.0	16.4	0.41	0.74	523	0.5	0.5	1.20	1.11	9.1	22.8	555	13	74	49	0.6	14.3	14.9	0.5	5.6	57	0.9	1.0	10.0	4415	2.2	80.2	2	7.1	2.7	62	50	56	
12-5826	12 1.96	47.0	26.0	8.8	4.0	0.72	0.48	609	0.5	1.4	1.80	1.66	10.0	14.9	272	14	86	68	1.0	10.7	10.6	0.5	10.0	71	1.0	1.8	17.2	4409	3.1	57.2	1	10.2	5.1	37	320	69	
12-5828	10 2.08	37.0	32.0	9.6	3.7	0.85	0.74	667	0.5	0.5	1.80	1.66	11.0	20.3	284	10	78	65	0.4	12.8	12.8	0.5	8.3	77	0.9	1.6	14.3	4605	2.7	63.3	2	11.4	6.4	42	190	63	
12-5830	11 2.38	31.0	18.0	8.6	4.4	0.78	0.15	292	0.5	1.3	2.10	1.99	6.3	3.7	317	19	89	66	0.4	5.4	5.4	0.5	6.9	89	0.6	1.4	14.9	1676	2.8	21.9	0.5	9.0	5.4	15	270	71	
12-5831	10 2.49	31.0	19.1	11.2	3.2	0.65	0.18	275	0.5	0.5	2.20	2.06	5.8	3.7	258	21	99	76	0.5	5.1	4.7	0.5	6.7	86	0.7	1.4	14.8	1516	3.0	18.9	1	8.1	4.9	17	210	68	
12-5832	6 1.90	22.0	12.8	11.4	15.0	0.39	0.20	287	0.5	1.1	1.60	1.58	14.3	5.8	778	19	58	59	0.2	7.6	7.8	0.5	5.3	82	1.1	1.1	11.0	4051	2.3	57.5	0.5	8.0	3.3	23	50	58	
12-5833	8 2.11	26.0	18.2	12.6	5.7	0.45	0.32	377	0.5	0.5	1.80	1.92	9.6	6.7	433	19	97	63	0.5	7.1	7.7	0.5	6.9	104	0.9	1.4	13.8	2608	2.7	33.7	2	9.2	3.2	32	200	56	
12-5834	10 2.35	33.0	19.8	9.5	2.1	0.69	0.25	439	0.5	0.5	2.10	1.99	5.7	7.9	334	19	97	69	0.5	5.7	5.7	0.5	7.3	89	0.6	1.4	14.9	2103	2.7	29.6	0.5	9.6	4.8	23	190	50	
12-5835	10 2.24	37.0	19.3	9.2	7.0	0.78	0.17	317	0.5	0.5	1.80	1.72	6.9	5.3	798	23	82	63	0.5	5.4	5.4	0.5	8.0	81	0.8	1.5	17.8	2162	2.9	36.4	0.5	8.8	5.5	16	300	52	
12-5836	17 2.60	63.0	42.0	7.1	2.0	1.30	0.20	396	0.5	0.5	2.10	1.97	5.1	4.6	274	21	87	66	0.5	4.9	4.9	0.5	13.4	91	0.4	2.4	26.9	1496	3.5	17.5	0.5	15.2	9.1	14			

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1	K2	La1	La2	Li2	LOI	Lu1	Mg2	Mn2	Mo1	Mo2	Na1	Na2	Nb2	Ni2	P2	Pb2	Rb1	Rb2	Sb1	Sc1	Sc2	Se1	Sm1	Sr2	Ta1	Tb1	Th1	Ti2	U1	V2	W1	Y2	Yb1	Zn2	Zr1	Zr2
12-5864	11	2.63	49.0	38.9	12.3	4.1	1.20	0.25	363	0.5	0.5	1.60	1.52	8.2	7.1	264	27	100	78	0.5	6.7	7.0	0.5	11.0	68	0.7	2.1	22.9	1665	2.4	21.7	0.5	14.4	8.8	27	270	38
12-5865	12	2.01	60.0	26.9	5.8	19.1	1.30	0.01	233	0.5	1.1	1.20	1.22	8.5	1.5	652	26	60	48	0.3	5.8	6.3	0.5	12.7	52	0.5	2.4	26.4	1886	3.0	24.1	0.5	11.5	8.6	13	250	45
12-5866	10	2.42	36.0	16.3	8.9	5.9	1.00	0.11	221	0.5	1.5	1.80	1.67	6.2	0.5	516	25	88	66	0.4	4.4	4.4	0.5	8.4	64	0.4	1.8	17.4	1366	2.5	21.5	0.5	8.7	7.3	15	170	42
12-5867	18	2.60	64.0	36.2	9.8	12.0	0.15	0.11	269	0.5	1.5	2.00	1.96	4.9	0.5	484	24	110	77	0.7	4.6	4.4	0.5	15.7	70	0.6	3.3	32.7	1388	6.1	17.4	0.5	12.7	8.7	17	360	123
12-5868	9	2.61	31.0	25.0	11.1	1.3	0.57	0.10	210	0.5	0.5	2.20	2.08	3.2	0.5	440	23	120	82	0.7	3.2	3.2	0.5	7.2	72	0.4	1.5	16.4	916	3.1	12.4	0.5	7.7	4.0	13	210	67
12-5869	9	2.07	32.0	27.4	11.4	3.6	0.59	0.37	361	0.5	0.5	2.00	1.85	6.1	8.7	338	15	94	66	1.2	8.2	8.3	0.5	8.1	87	0.6	1.7	15.6	2721	3.0	45.8	0.5	10.1	4.2	26	240	70
12-5870	12	2.63	37.0	35.9	8.3	0.8	0.77	0.11	299	0.5	0.5	2.10	2.02	3.3	0.5	459	21	110	84	0.6	3.8	4.1	0.5	10.6	60	0.4	2.1	21.1	1203	3.7	15.2	0.5	11.3	5.1	14	350	79
12-5871	11	2.67	41.0	29.3	9.2	1.8	1.00	0.01	304	0.5	0.5	2.00	1.89	3.7	0.5	282	24	110	83	0.5	4.4	4.2	0.5	10.5	51	0.4	2.4	20.5	1082	3.0	14.0	0.5	10.9	7.8	13	250	57
12-5872	10	2.61	35.0	25.3	9.7	3.9	0.84	0.10	322	0.5	0.5	1.90	1.75	5.0	0.5	288	26	120	83	0.5	5.2	4.7	0.5	10.0	44	0.5	2.3	18.3	1343	2.8	16.3	0.5	10.1	6.4	18	50	54
12-5873	10	2.55	29.0	20.0	9.3	0.9	0.56	0.13	279	0.5	0.5	2.40	2.00	4.1	1.8	348	19	140	93	0.8	6.3	5.3	0.5	9.0	43	0.5	2.2	15.8	1531	3.2	19.0	0.5	8.1	4.5	30	140	57
12-5874	12	2.08	42.0	19.8	13.3	2.6	0.90	0.39	639	0.5	0.5	1.90	1.60	9.2	10.0	309	19	100	70	1.4	12.3	10.6	0.5	10.8	64	1.0	2.4	19.3	3496	3.6	49.6	1	12.9	6.8	37	340	59
12-5875	5	1.45	22.0	14.2	25.6	13.6	0.35	0.41	1200	2	2.0	1.00	0.87	12.4	19.1	418	14	84	65	1.9	11.6	12.0	0.5	5.4	42	1.1	1.0	12.8	4523	3.4	90.9	2	7.3	2.5	57	50	72
12-5876	6	1.17	35.0	32.1	34.3	11.2	0.35	1.47	1001	1	0.5	1.60	1.58	19.5	36.8	694	3	45	39	1.1	19.8	20.4	0.5	7.7	80	1.4	1.3	7.2	13319	1.7	183.4	0.5	10.4	2.6	103	50	44
12-5877	9	0.67	34.0	15.3	13.7	7.2	0.50	0.65	898	1	0.5	1.30	1.55	5.8	20.8	622	3	69	20	3.1	12.7	15.3	0.5	6.1	128	1.2	0.9	9.5	4622	2.2	86.7	2	10.8	3.3	62	200	58
12-5878	7	1.28	27.0	23.1	34.5	16.8	0.36	0.39	386	0.5	0.5	0.93	1.32	6.6	18.4	407	3	54	48	2.5	11.7	13.4	0.5	4.8	97	0.9	0.8	8.7	4306	2.0	118.6	2	6.7	2.4	72	50	76
12-5879	4	0.80	25.0	22.1	19.8	9.5	0.48	0.43	474	2	0.5	1.40	1.39	5.7	23.8	470	6	44	26	1.3	14.5	11.2	0.5	5.6	84	0.8	1.0	6.6	3697	3.3	64.3	1	6.1	3.2	67	50	74
12-5880	4	1.27	25.0	23.4	16.7	7.9	0.53	0.56	423	3	1.3	1.50	1.59	6.5	15.3	191	6	52	34	1.2	15.8	13.4	0.5	5.1	98	0.7	1.0	6.0	4010	2.5	86.8	0.5	7.0	3.5	77	50	72
12-5881	6	1.16	23.0	22.5	31.8	2.9	0.32	0.57	1104	1	2.7	1.40	1.42	7.4	17.5	599	14	48	40	3.0	10.5	16.1	0.5	5.1	92	0.8	1.0	6.9	4696	2.5	104.3	1	11.1	2.5	205	250	76
12-5882	9	1.07	22.0	24.4	22.6	5.8	0.37	0.62	606	0.5	0.5	2.20	1.94	4.6	1.4	353	22	120	85	0.7	5.7	5.6	0.5	11.0	51	0.6	2.4	21.4	1327	3.9	17.6	0.5	11.0	5.8	18	50	79
12-5883	9	1.07	27.0	24.7	15.7	6.3	0.37	0.60	373	0.5	0.5	1.40	0.90	8.0	20.0	585	11	59	44	6.5	13.3	12.4	0.5	4.8	57	1.0	0.8	6.7	4476	2.7	77.1	2	6.0	2.9	67	220	76
12-5884	9	1.28	20.0	30.4	14.8	5.8	0.39	0.62	541	0.5	0.5	1.80	1.23	9.9	17.9	386	7	28	51	3.9	15.9	12.5	0.5	4.4	75	0.8	0.8	5.1	4773	1.7	73.8	2	8.8	2.8	52	50	93
12-5885	8	1.86	19.0	19.7	21.3	1.7	0.27	0.97	484	0.5	0.5	2.20	1.88	5.9	30.6	411	21	140	42	1.3	9.3	10.7	0.5	6.1	326	1.4	1.4	10.1	2884	4.1	57.6	2	8.4	2.3	51	50	75
12-5887	12	2.83	47.0	35.1	8.7	2.1	1.20	0.01	226	0.5	0.5	1.70	1.66	5.0	0.5	226	27	100	73	0.4	4.1	4.2	0.5	11.4	54	0.2	2.4	22.8	932	3.0	10.4	0.5	12.1	9.0	15	180	48
12-5888	10	2.61	43.0	34.6	15.7	5.4	1.00	0.25	305	0.5	0.5	1.50	1.47	10.1	8.1	253	26	100	82	0.7	7.1	7.6	0.5	11.3	55	0.7	2.4	20.8	1862	4.7	30.5	0.5	14.3	7.6	30	50	53
12-5889	12	2.62	40.0	35.0	10.4	1.2	0.78	0.12	340	0.5	0.5	2.20	1.94	4.6	1.2	390	22	120	88	0.7	5.7	5.6	0.5	11.0	51	0.6	2.4	21.4	1327	3.9	17.6	0.5	11.0	5.8	18	50	79
12-5890	10	2.62	36.0	37.1	10.7	1.9	0.57	0.12	294	0.5	0.5	1.80	1.90	4.6	1.4	353	22	120	85	0.6	4.1	4.7	0.5	10.3	52	0.4	2.4	21.4	1256	4.3	17.4	0.5	10.3	4.2	19	50	72
12-5891	12	2.66	47.0	42.8	12.0	1.7	0.83	0.15	238	0.5	0.5	2.00	1.88	5.3	1.5	322	24	120	84	0.8	4.9	4.9	0.5	12.9	54	0.5	2.9	25.5	1387	4.4	17.3	0.5	12.3	6.1	19	160	79
12-5892	7	2.64	31.0	26.1	8.9	2.3	0.70	0.01	199	0.5	0.5	1.90	1.78	3.1	0.5	265	25	110	76	0.6	3.3	3.4	0.5	7.8	56	0.4	1.8	16.6	919	2.8	13.2	0.5	8.6	5.1	13	150	57
12-5893	9	2.50	24.0	16.8	12.6	2.7	0.45	0.17	901	0.5	0.5	1.90	1.73	5.7	2.1	307	24	120	80	0.9	4.4	4.1	0.5	6.1	50	1.3	1.3	13.7	1223	3.2	20.0	0.5	6.0	3.2	21	130	49
12-5894	12	2.83	47.0	35.1	8.7	2.1	1.20	0.01	226	0.5	0.5	1.70	1.66	5.0	0.5	226	27	100	73	0.4	4.1	4.2	0.5	11.4	54	0.2	2.4	22.8	932	3.0	10.4	0.5	12.1	9.0	15	180	48
12-5895	10	2.61	43.0	34.6	15.7	5.4	1.00	0.25	305	0.5	0.5	1.50	1.47	10.1	8.1	253	26	100	82	0.7	7.1	7.6	0.5	11.3	55	0.7	2.4	20.8	1862	4.7	30.5	0.5	14.3	7.6	30	50	53
12-5896	14	2.93	62.0	47.8	11.1	2.0	1.40	0.16	292	0.5	0.5	1.80	1.67	7.5	2.7	224	26	110	78	0.7	5.3	5.5	0.5	14.2	66	0.6	2.7	27.7	1424	3.6	16.3	0.5	15.8	10.0	22	50	50
12-5897	14	2.32	37.0	30.1	11.8	2.3	1.00	0.22	307	0.5	0.5	1.80	1.63	5.3	6.4	311	22	92	65	1.1	6.4	6.0	0.5	11.4	68	0.6	2.4	22.3	2094	3.7	33.7	0.5	10.7	7.1	23	50	68
12-5898	12	2.34	37.0	29.6	9.3	1.1	0.76	0.21	297	0.5	0.5	1.70	1.70	4.0	5.2	273	19	86	66	1.1	5.6	5.6	0.5	10.0	64	0.5	2.0	17.6	1815	2.8	27.2	1	10.6	5.8	20	50	67
12-5900	8	1.63	19.0	20.3	19.7	5.5	0.27	0.45	502	0.5	0.5	1.30	1.54	7.7	14.8	299	15	61	58	5.7	11.6	10.4	0.5	5.2	80	0.8	1.0	7.2	3569	2.2	65.5	0.5	8.0	1.7	40	230	67
12-5901	8	0.57	21.0	6.4	16.7	16.5	0.38	0.62	699	0.5	0.5	1.50	1.79	1.6	9.9	607	3	74	21	1.8	9.2	28.8	0.5	5.3	188	0.8	1.1	10.0	4254	2.3	241.1	1	6.2	2.6	50	170	28
12-5902	3	1.55	7.0	29.6	17.6	3.2	0.21	0.47	901	0.5	0.5	1.70	1.51	5.3	37.5	190	8	23	56	1.9	23.0	20.8	0.5	11.2	0.2	0.25	2.3	3987	0.7	87.5	1	15.3	1.4	36	50	67	
12-5903	9	1.23	35.0	19.3	15.6	2.7	0.52	0.59	801	0.5	0.5	1.70	1.50	5.0	25.5	458	8	75	46	3.5	20.2	15.1	0.5	8.8	123	0.9	1.5	10.1	4342	2.9	88.7	1					

APPENDIX B - Open File 012A/1562 Red Indian Lake Till-Geochemistry Data

Yr-Sample Number	Hf1 ppm	K2 pct	La1 ppm	La2 ppm	Li2 ppm	LOI pct	Lu1 ppm	Mg2 pct	Mn2 ppm	Mo1 ppm	Mo2 ppm	Na1 pct	Na2 pct	Nb2 ppm	Ni2 ppm	P2 ppm	Pb2 ppm	Rb1 ppm	Rb2 ppm	Sb1 ppm	Sc1 ppm	Sc2 ppm	Se1 ppm	Sm1 ppm	Sr2 ppm	Ta1 ppm	Tb1 ppm	Th1 ppm	Ti2 ppm	U1 ppm	V2 ppm	W1 ppm	Y2 ppm	Yb1 ppm	Zn2 ppm	Zr1 ppm	Zr2 ppm
12-5931	10	1.79	17.0	11.6	5.8	4.4	0.92	0.33	127	0.5	1.1	1.80	1.84	39.9	1.1	112	3	62	50	0.5	5.4	5.8	0.5	4.0	57	4.0	1.3	14.1	2033	3.7	34.1	3	12.5	6.5	15	140	134
12-5933	8	1.08	30.0	24.9	7.6	8.0	0.47	0.61	294	0.5	0.5	1.80	1.86	10.3	10.0	282	3	45	37	1.7	11.6	12.0	0.5	5.8	70	1.4	1.1	9.1	4641	3.1	72.2	3	9.0	3.6	27	200	84
12-5934	9	1.25	32.0	26.5	15.5	3.4	0.49	0.80	508	0.5	0.5	1.80	1.65	9.6	19.4	251	14	68	50	3.3	16.3	16.4	0.5	6.6	85	1.3	1.1	10.6	4737	4.0	89.6	2	10.5	3.4	58	200	74
12-5935	17	1.39	50.0	26.3	11.8	5.6	0.72	0.27	368	0.5	1.4	1.50	1.52	17.3	4.2	157	12	59	43	1.4	10.2	10.5	0.5	9.1	81	1.6	1.6	16.0	6362	4.1	74.4	2	9.5	5.1	19	340	91
12-5936	8	1.20	27.0	15.9	14.1	10.2	0.41	0.53	447	2	2.4	1.50	1.36	8.3	12.5	191	10	54	40	1.9	13.7	13.9	0.5	5.6	81	1.1	1.0	9.4	4003	3.2	93.6	1	10.0	3.5	40	50	56
12-5937	11	1.53	35.0	19.4	26.4	7.3	0.58	0.70	577	0.5	0.5	1.50	1.46	11.9	18.8	287	14	68	57	1.7	13.5	14.7	0.5	6.8	84	1.4	1.1	16.8	4182	3.0	80.3	2	9.6	3.9	60	50	67
12-5938	12	1.55	42.0	23.1	26.4	8.8	0.39	0.87	656	0.5	0.5	1.40	1.37	13.9	20.6	209	8	83	65	1.6	16.0	19.2	0.5	8.8	86	1.6	1.4	20.2	4807	3.9	91.5	0.5	11.8	2.3	66	230	59
12-5939	17	2.15	67.0	44.4	25.6	7.5	0.88	0.79	725	0.5	0.5	1.60	1.57	20.0	17.2	275	12	110	85	0.8	18.3	20.4	0.5	13.7	89	2.1	2.2	27.0	5483	5.4	76.5	2	14.7	6.4	67	250	67
12-5940	14	1.72	32.0	23.8	14.0	4.3	0.60	0.39	430	0.5	0.5	2.00	1.97	13.4	9.2	331	13	68	55	0.5	10.0	10.0	0.5	6.5	110	1.5	1.2	14.2	3410	4.3	46.8	2	10.2	4.3	31	220	60
12-5941	35	1.49	79.0	44.8	27.5	10.9	0.86	0.65	566	3	3.0	1.70	1.59	22.7	13.1	294	13	64	56	0.7	15.8	16.6	0.5	12.8	108	1.8	1.7	28.9	6948	5.3	90.3	2	14.2	5.1	53	710	101
12-5942	14	0.95	30.0	23.4	12.7	23.5	0.47	0.32	368	1	1.1	1.10	1.09	15.3	9.1	778	9	33	33	0.2	12.6	13.5	0.5	6.1	82	1.1	1.1	15.1	5293	2.2	73.5	1	15.6	3.1	30	50	77
12-5943	17	1.65	59.0	50.8	15.8	3.3	0.82	0.79	763	0.5	0.5	2.30	2.14	14.8	15.7	248	12	62	51	0.3	15.3	14.9	0.5	11.5	173	1.2	1.8	19.5	6163	3.6	84.0	0.5	16.5	5.6	49	290	54
12-5944	9	1.01	29.0	26.7	27.1	11.6	0.41	1.31	1084	0.5	0.5	1.60	1.60	14.1	31.9	371	8	42	38	0.05	17.8	19.8	0.5	5.9	135	1.1	1.0	10.2	6738	2.2	117.2	2	14.5	2.8	65	50	42

APPENDIX C

Jenk's-Optimization Plots of All Geochemical Variables (ppm unless otherwise stated)

Figure 23.	Distribution of aluminum (Al2_pct) in till	117
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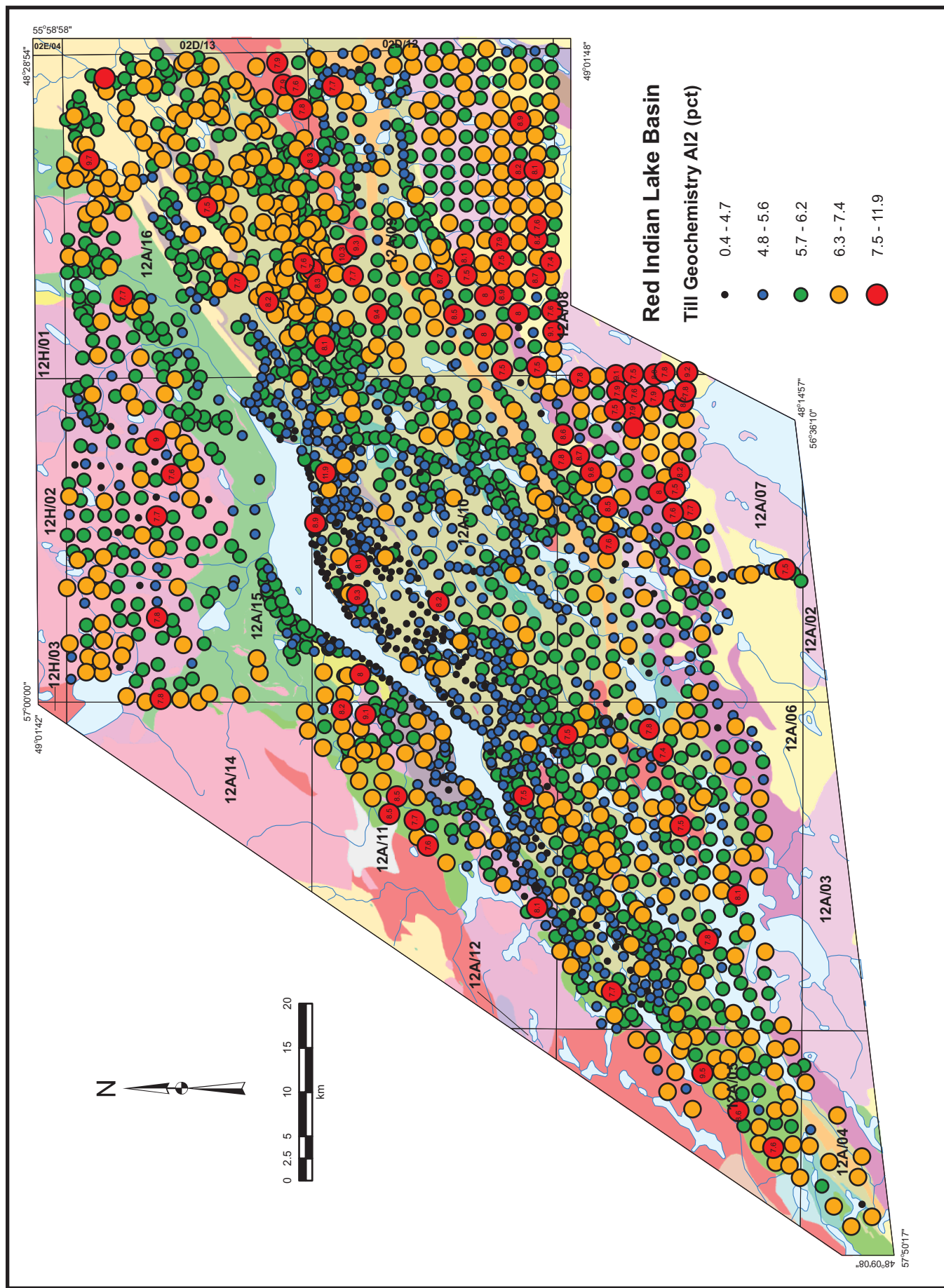


Figure 23. *Distribution of aluminum (Al2_pct) in till.*

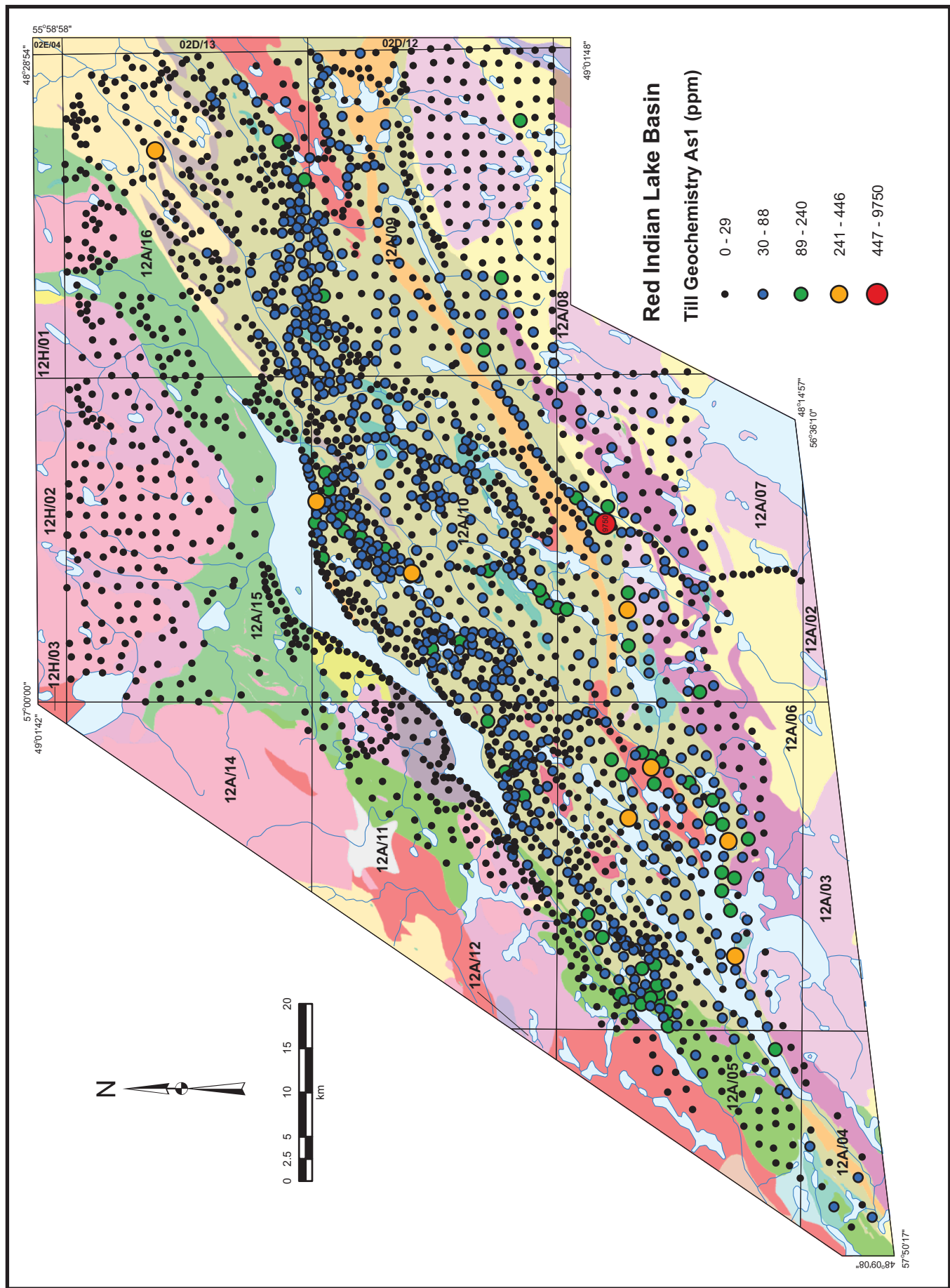


Figure 24. *Distribution of arsenic (AsI) in till.*

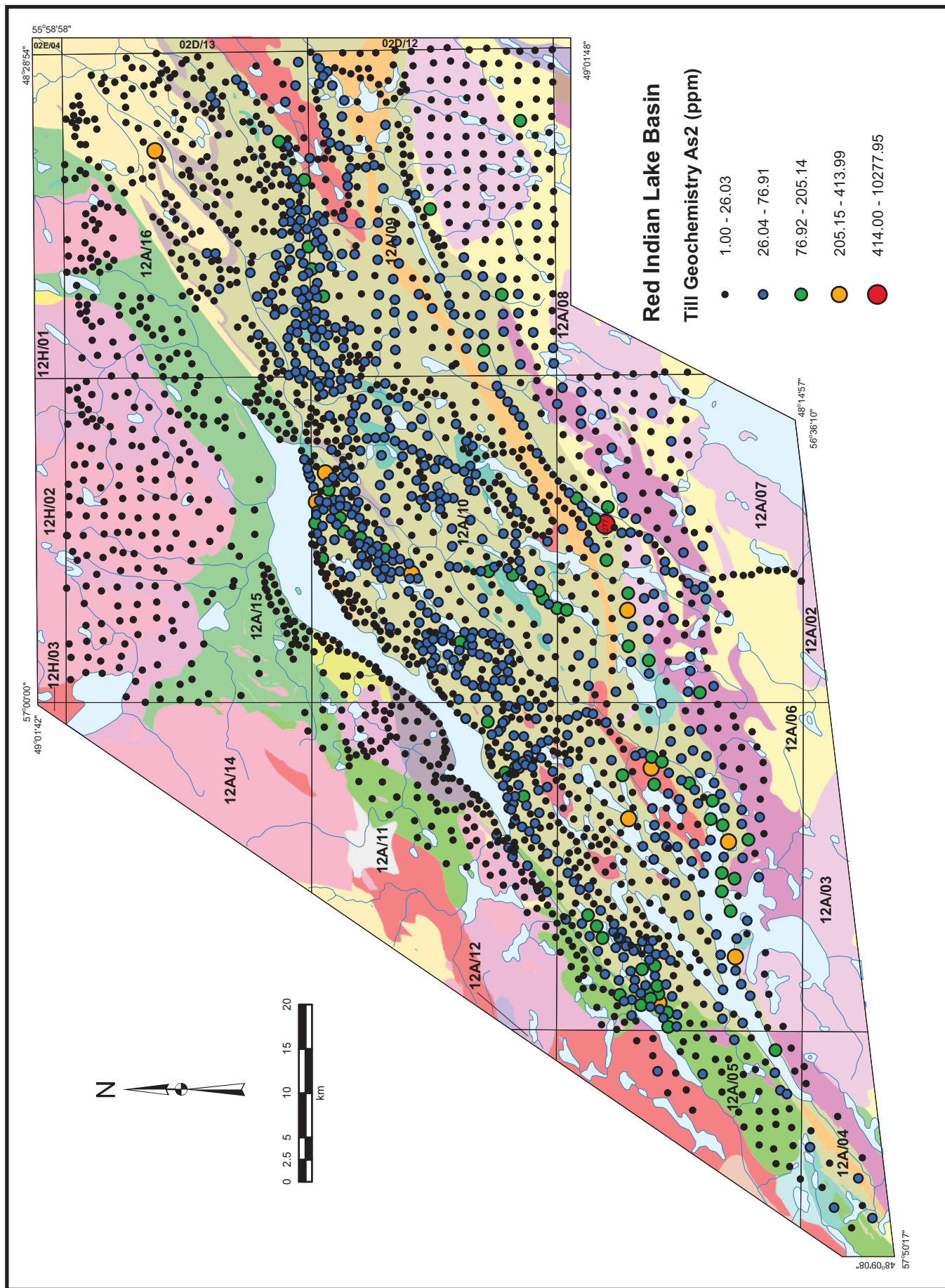


Figure 25. Distribution of arsenic (*As₂*) in till.

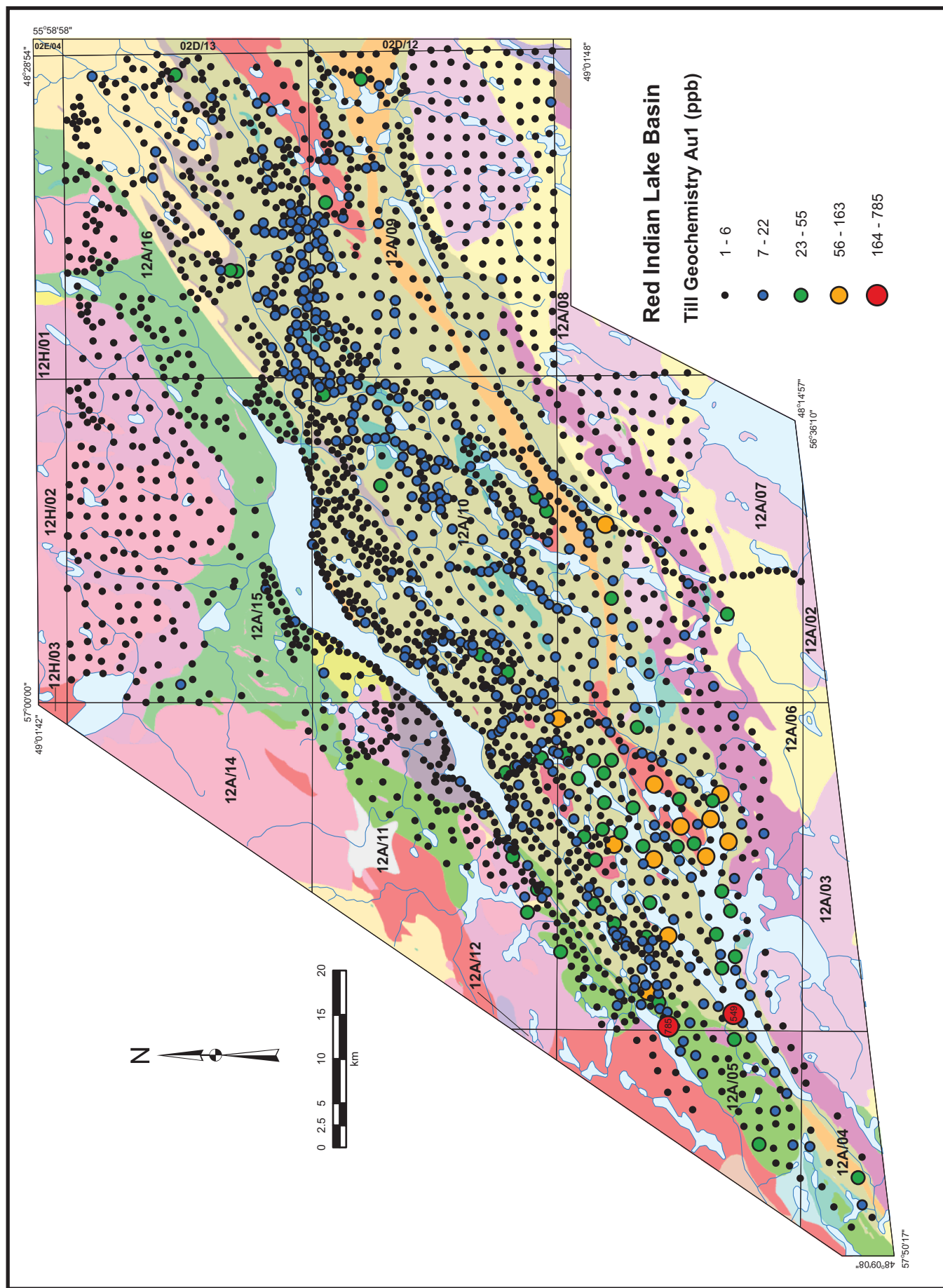


Figure 26. Distribution of gold (*Au1_ppb*) in till.

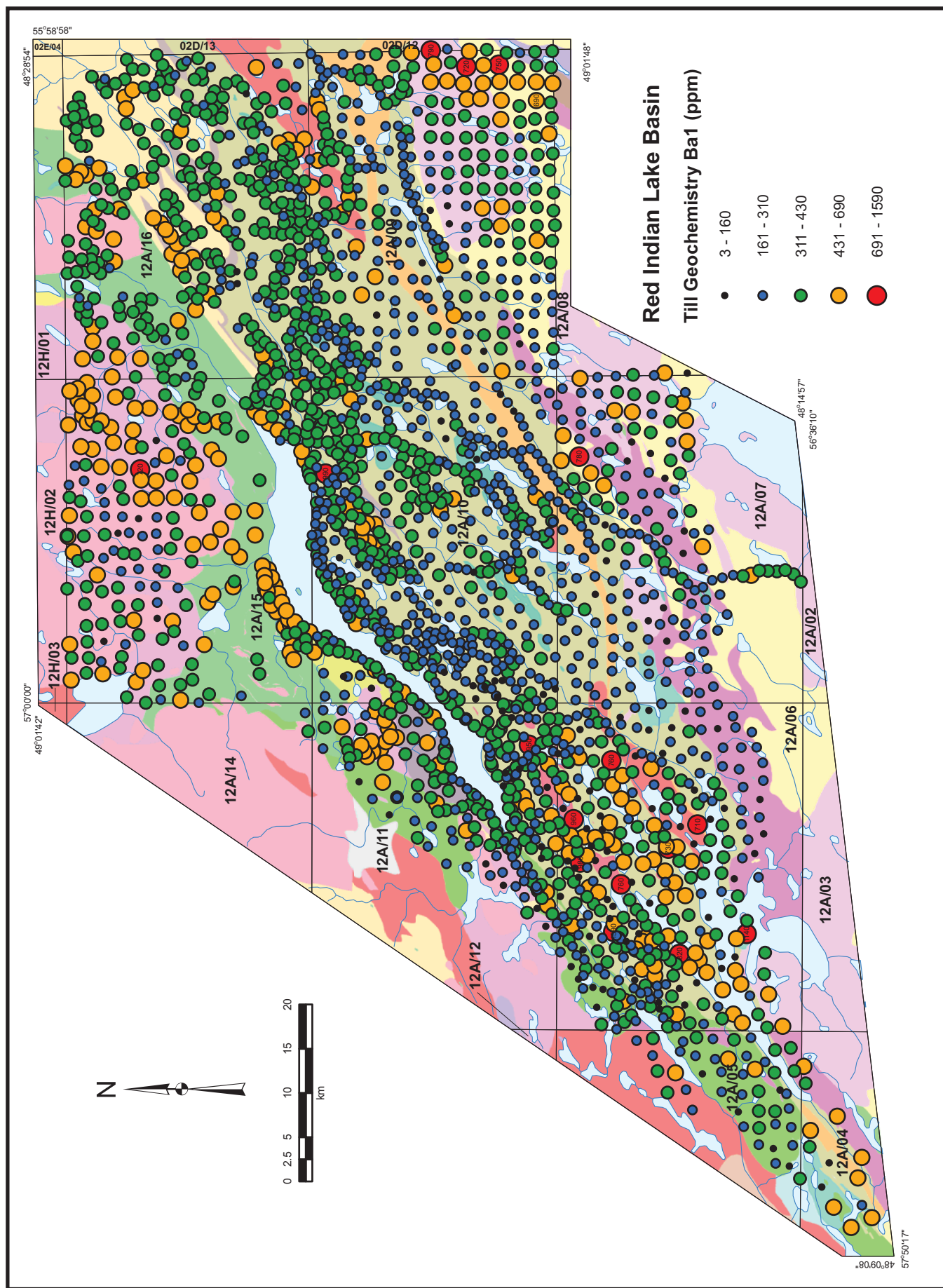


Figure 27. Distribution of barium (Ba1) in till.

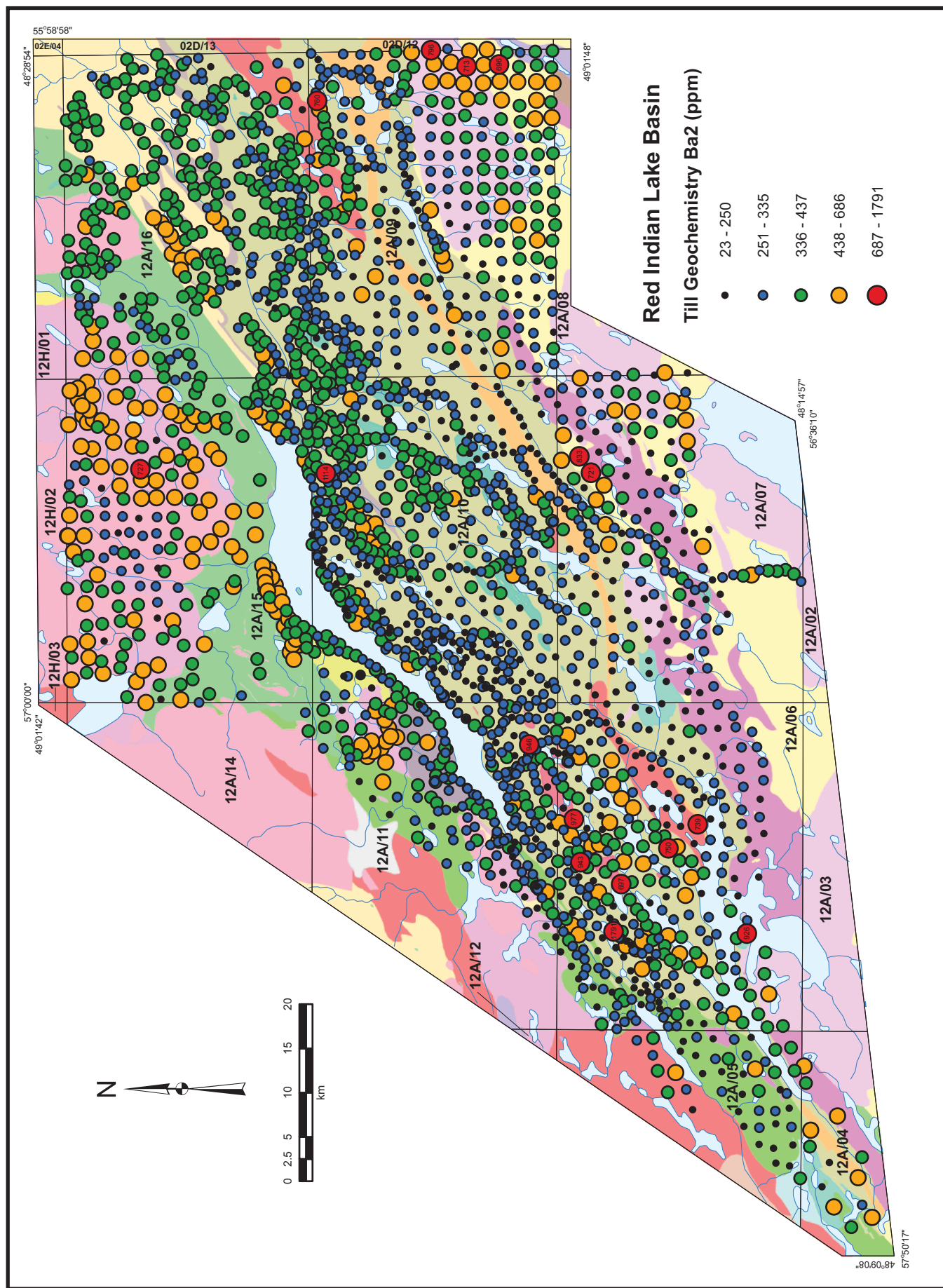


Figure 28. *Distribution of barium (Ba2) in till.*

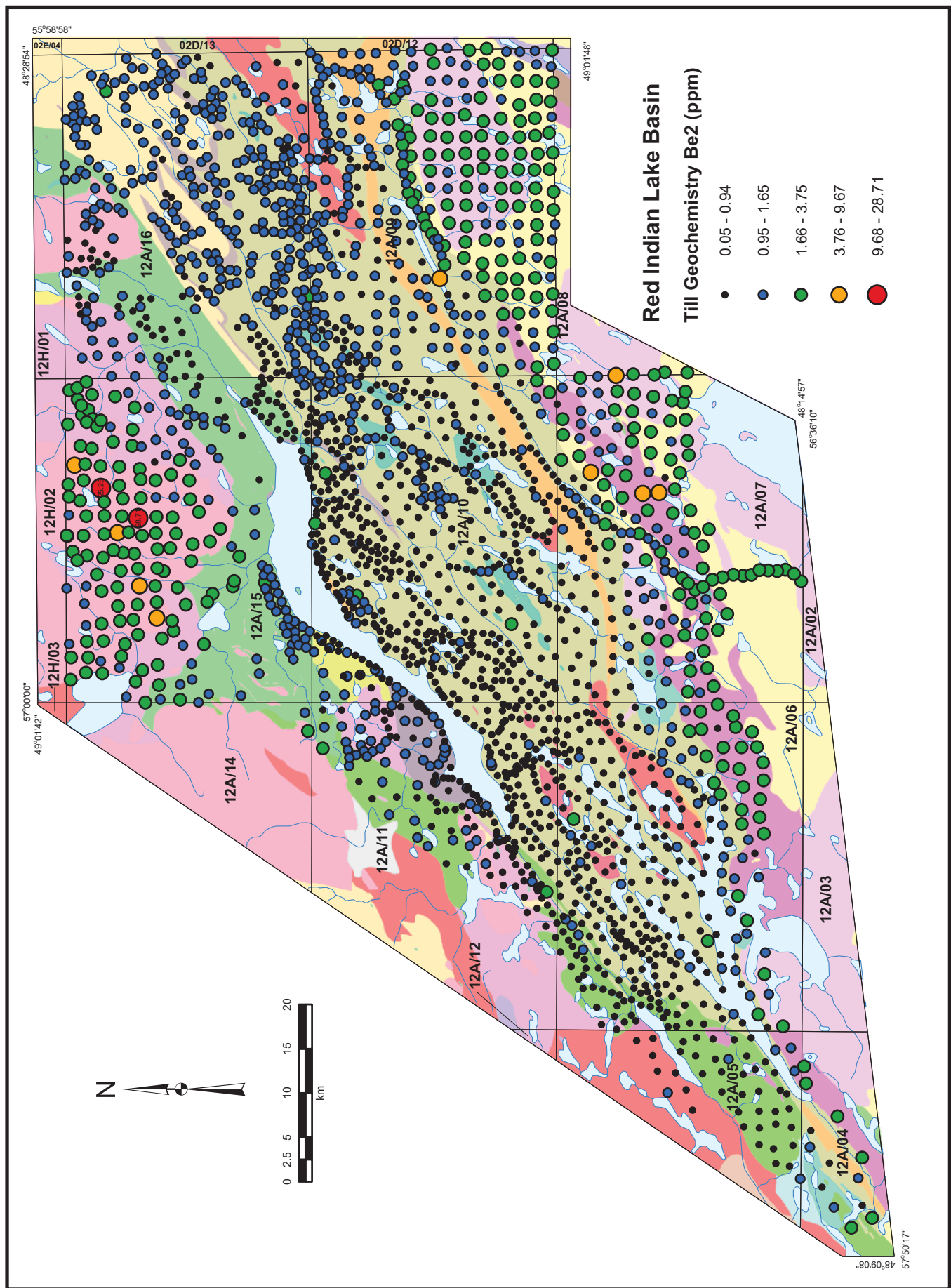


Figure 29. Distribution of beryllium (*Be2*) in till.

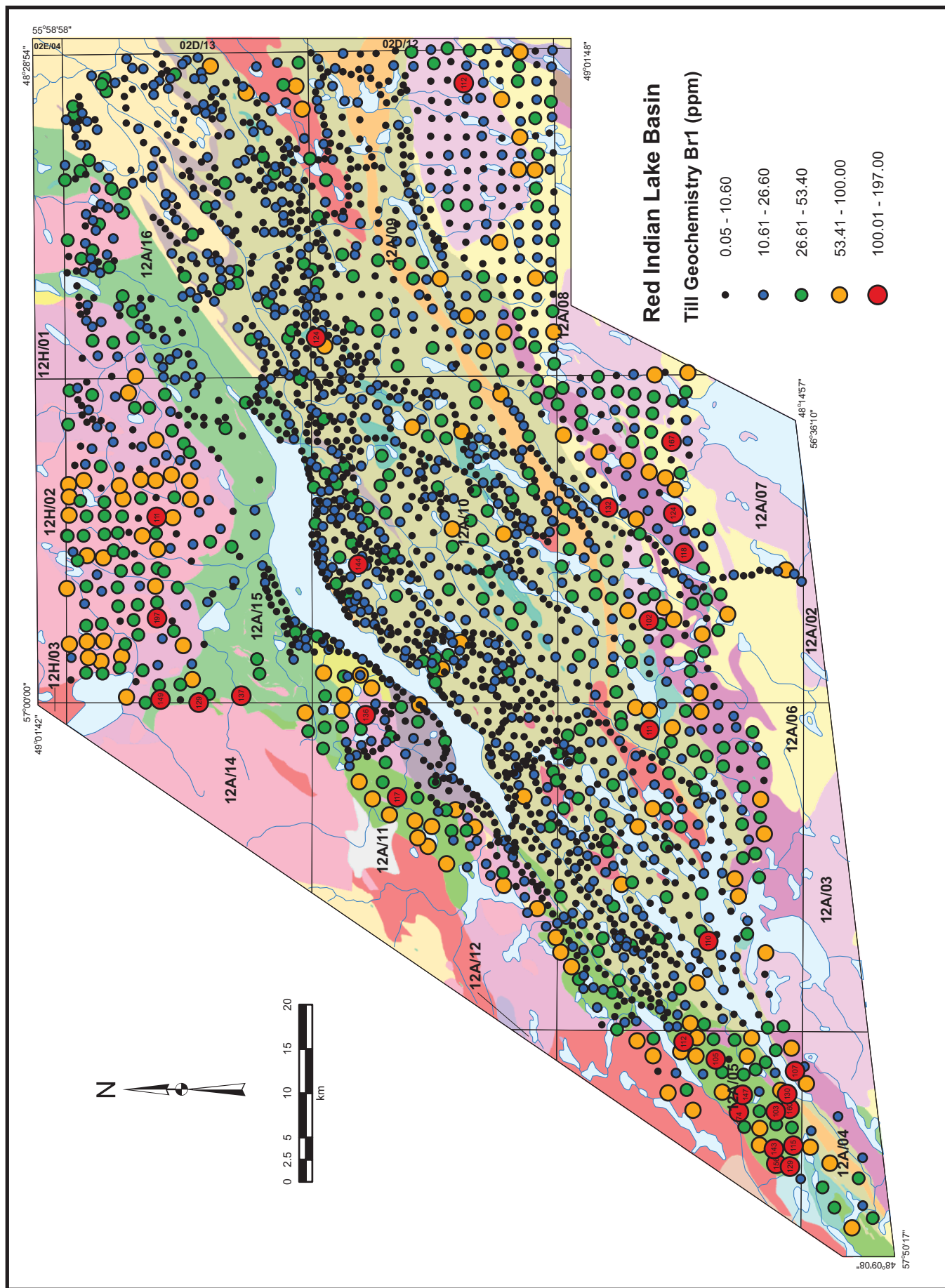


Figure 30. *Distribution of bromine (Br-1) in till.*

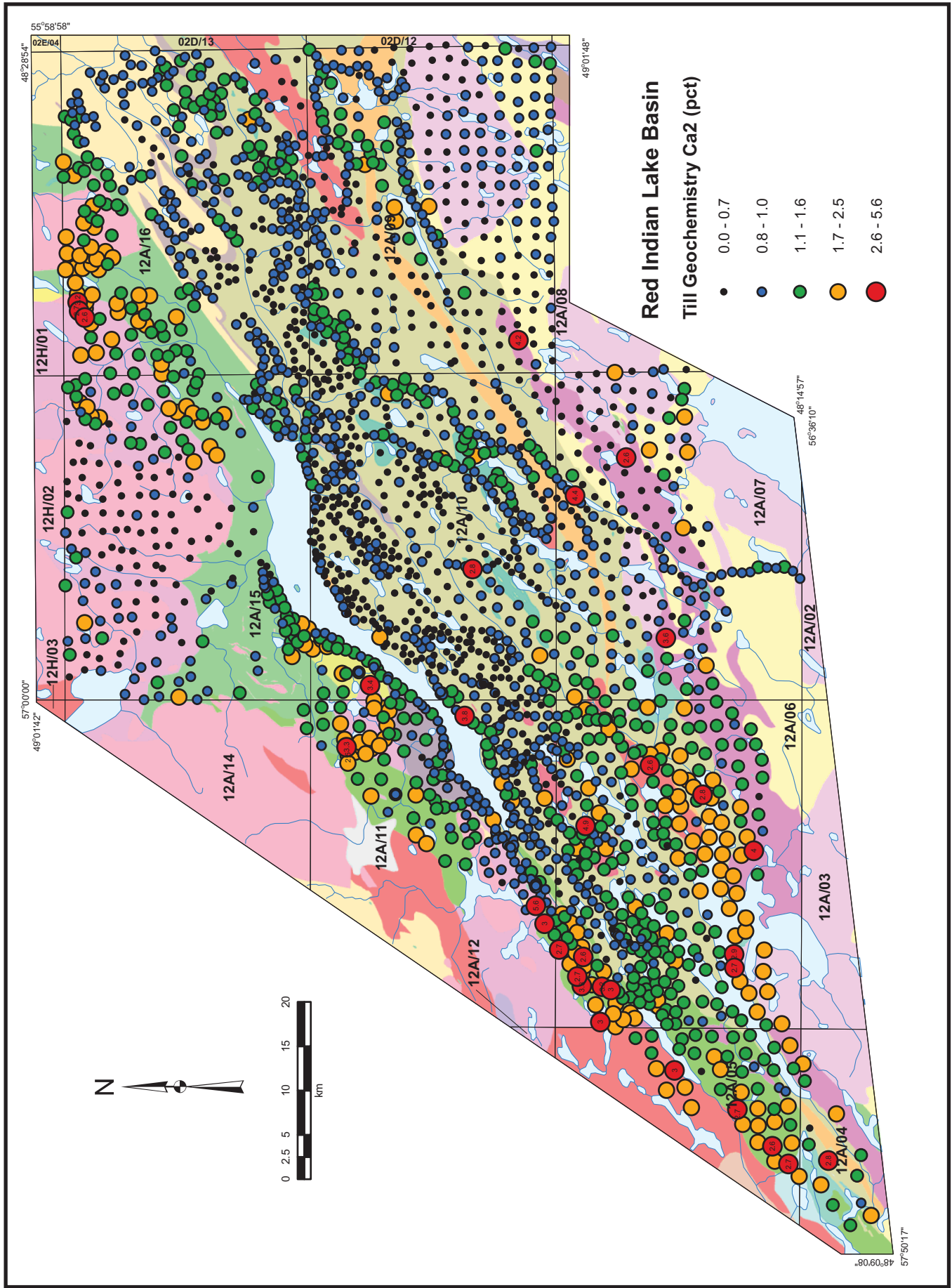


Figure 31. *Distribution of calcium (Ca2_pct) in till.*

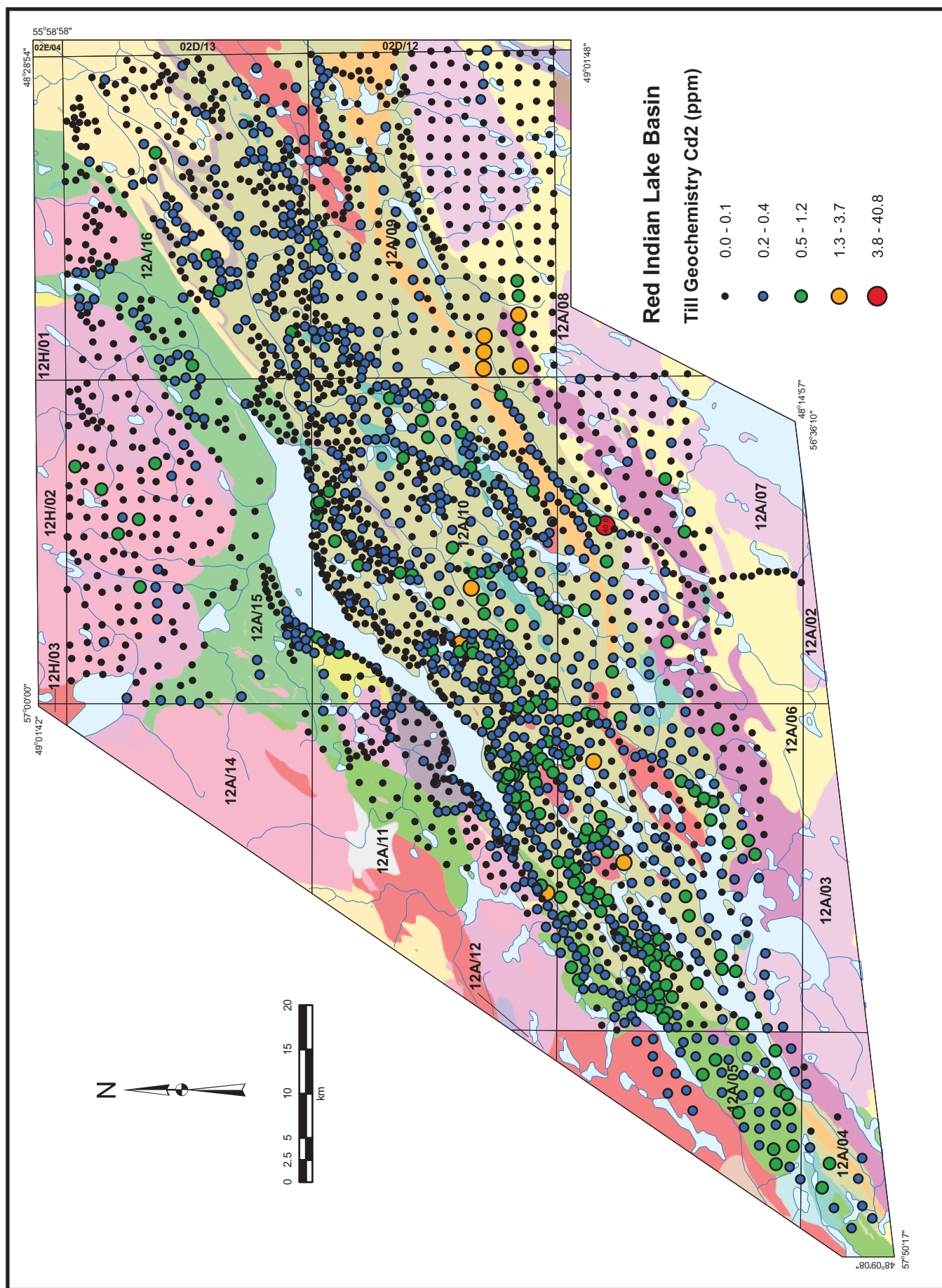


Figure 32. *Distribution of cadmium (Cd2) in till.*

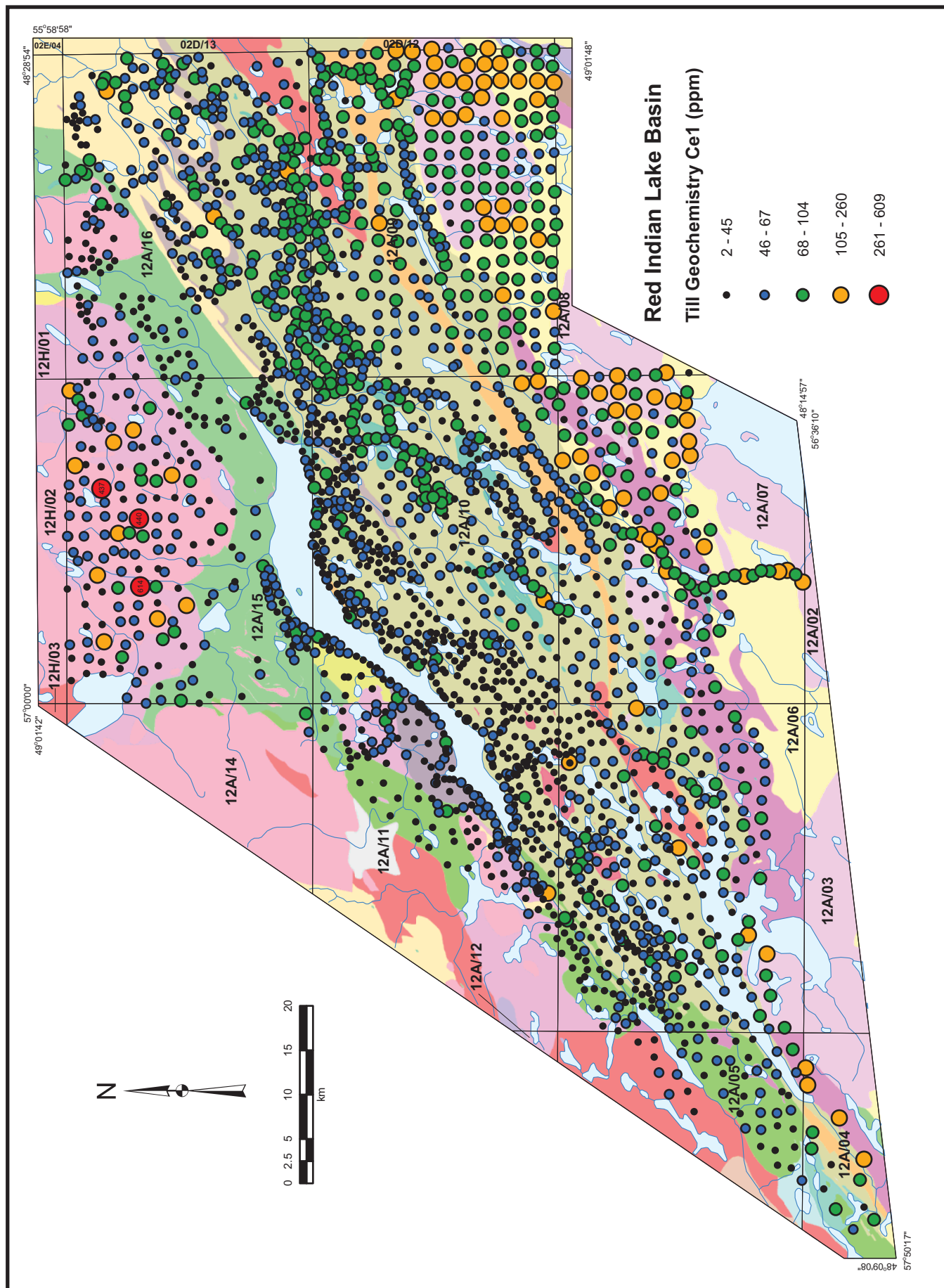


Figure 33. *Distribution of cerium (Ce1) in till.*

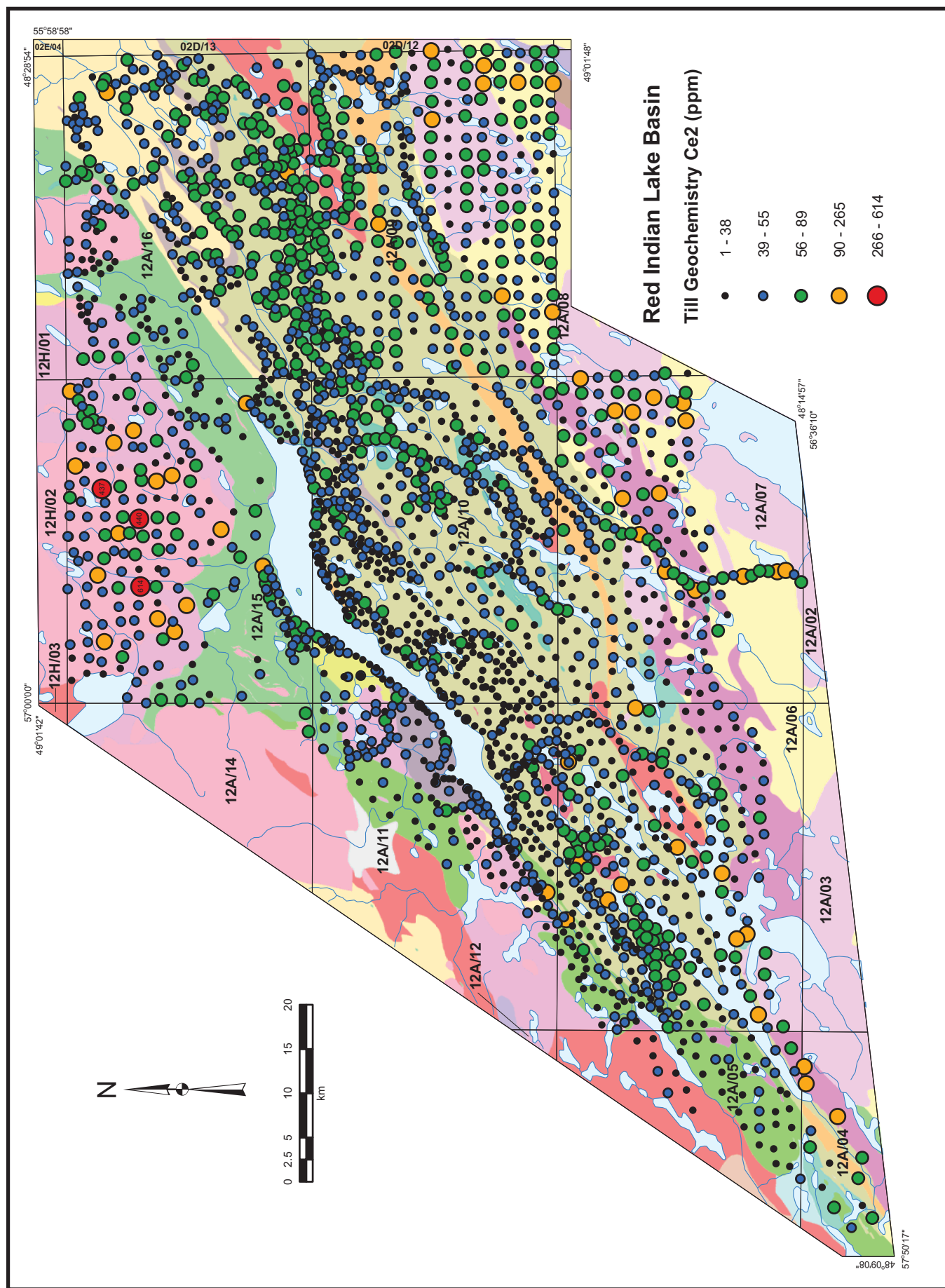


Figure 34. Distribution of cerium (Ce2) in till.

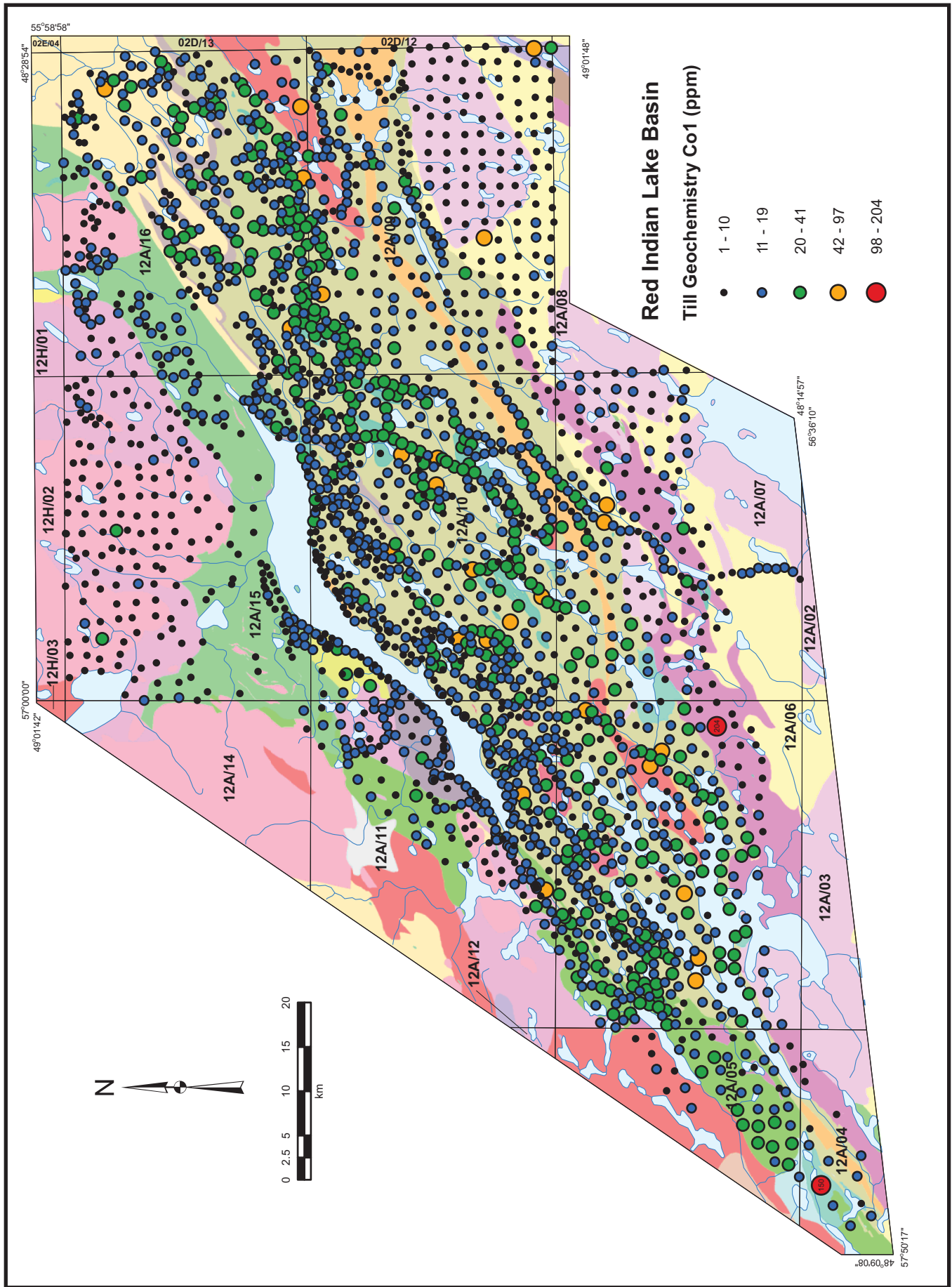


Figure 35. Distribution of cobalt (Co1) in till.

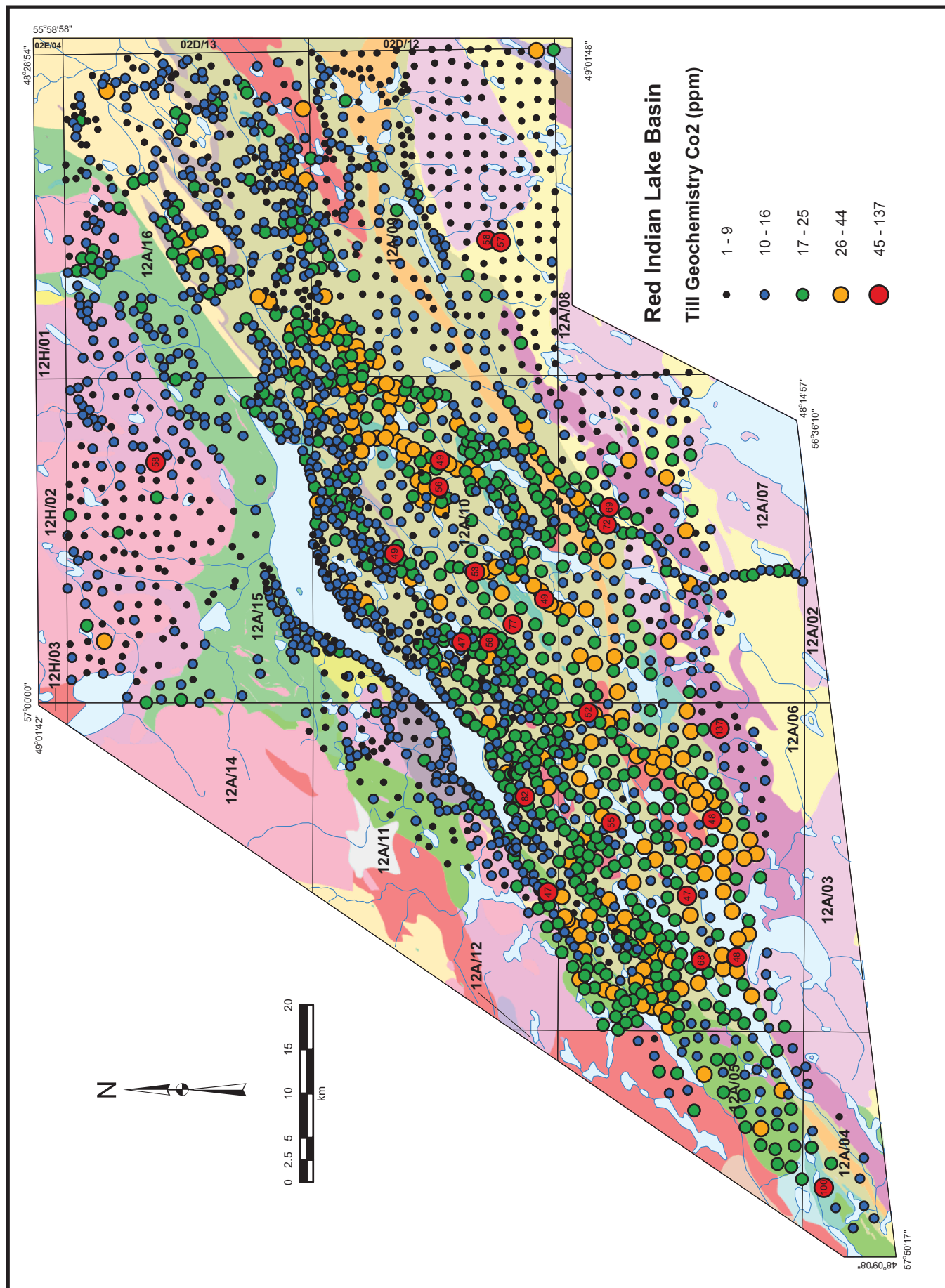


Figure 36. *Distribution of cobalt (Co2) in till.*

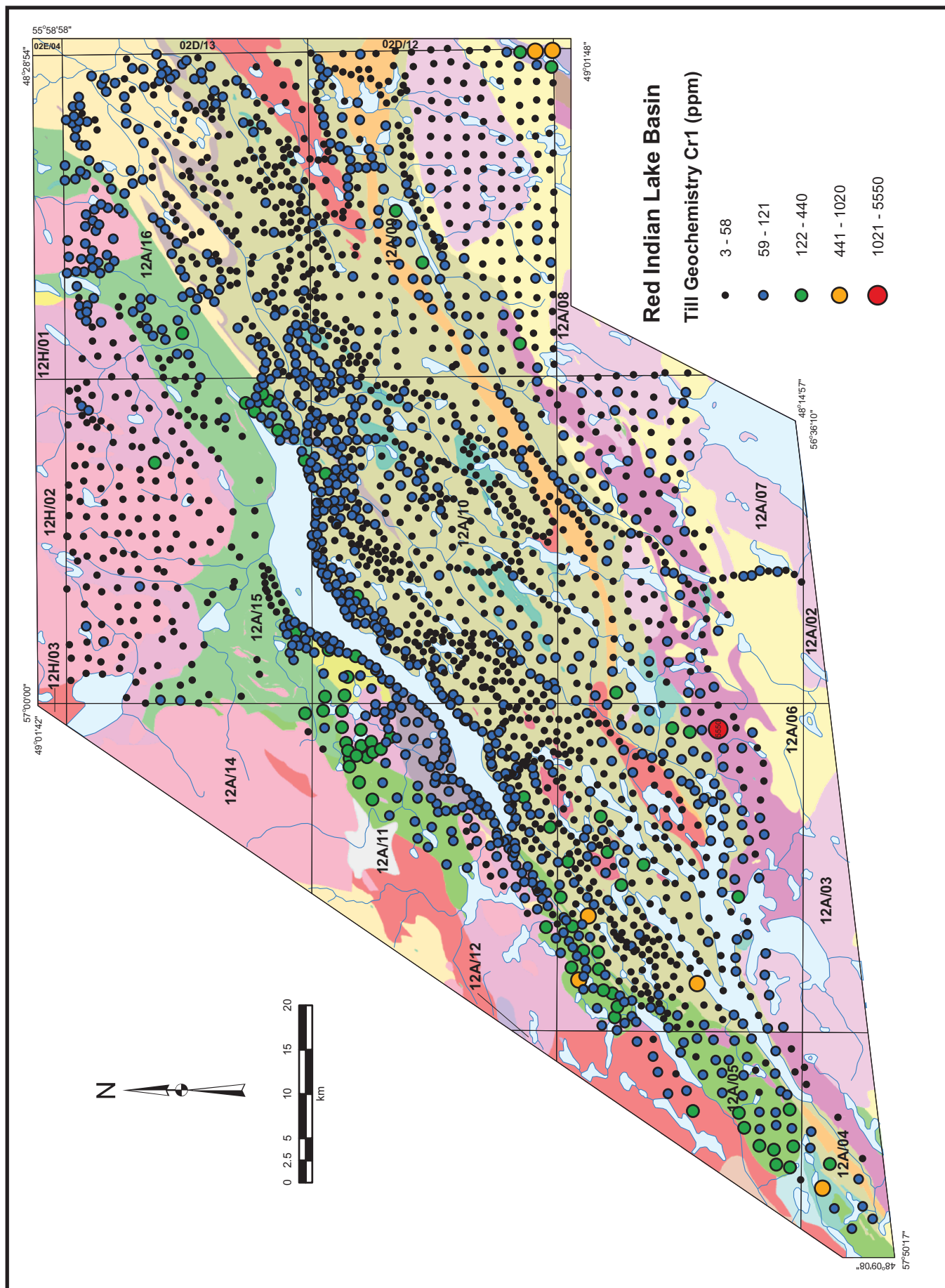


Figure 37. Distribution of chromium (*Cr1*) in till.

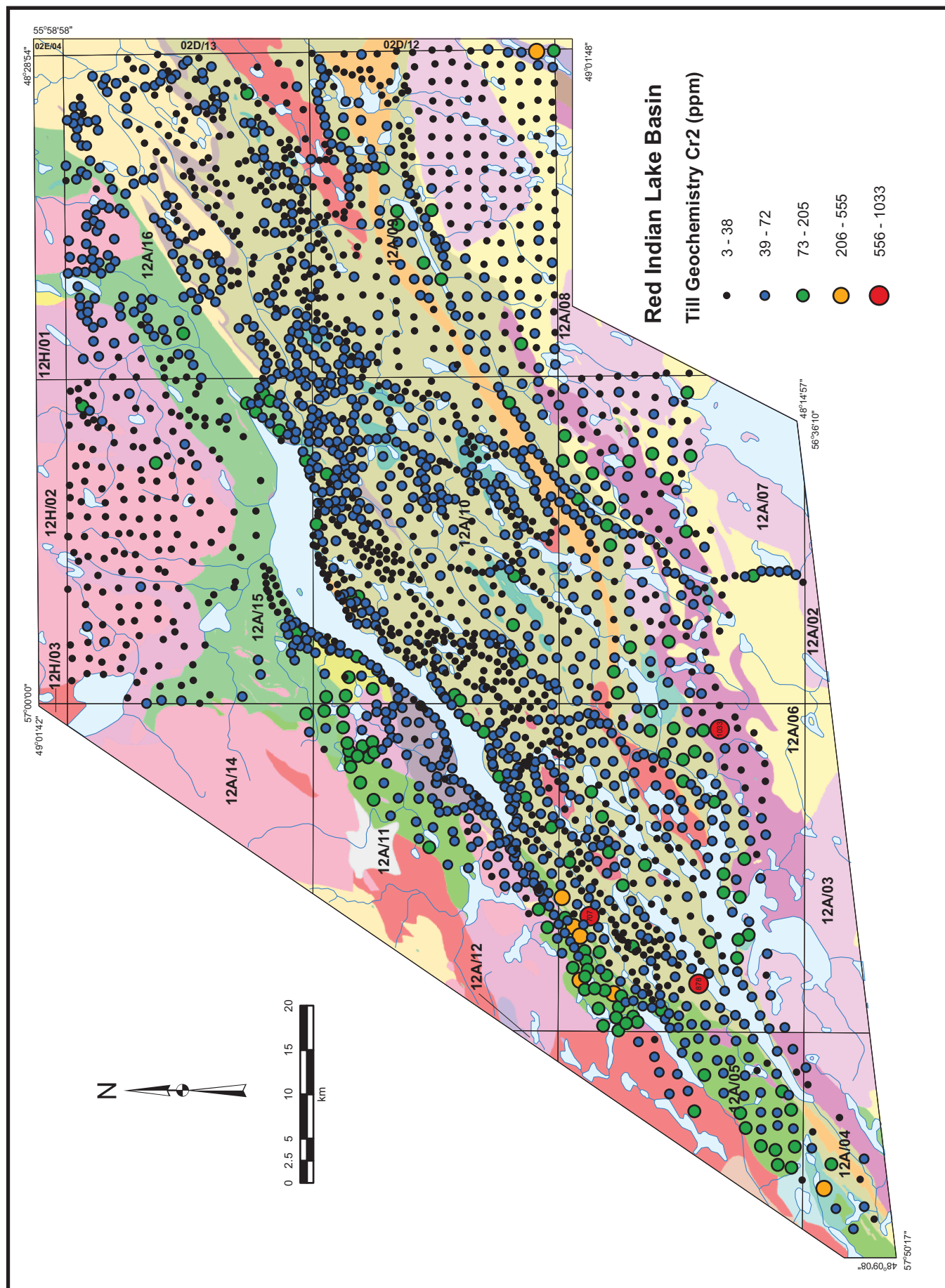


Figure 38. *Distribution of chromium (Cr2) in till.*

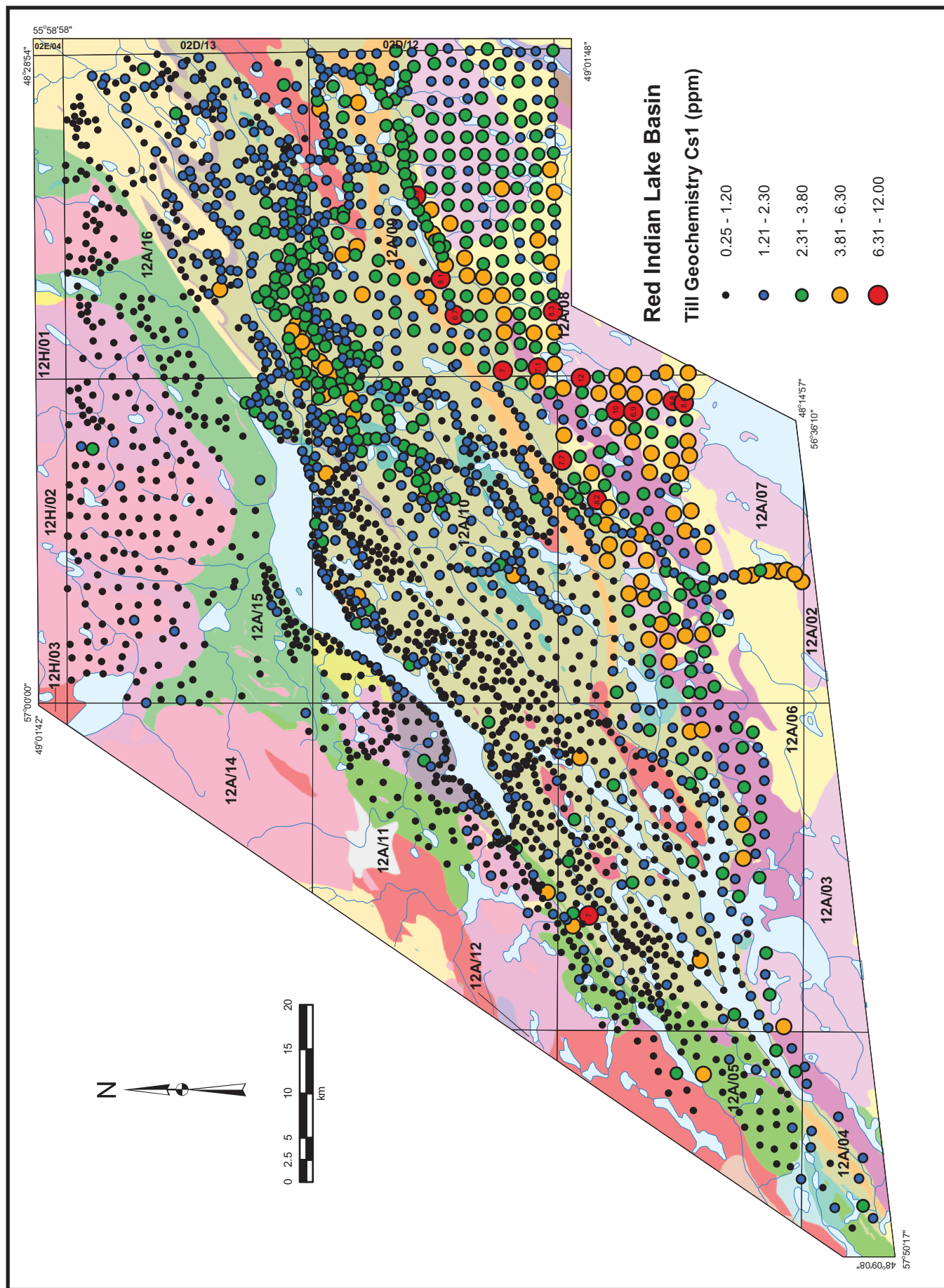


Figure 39. Distribution of cesium (Cs1) in till.

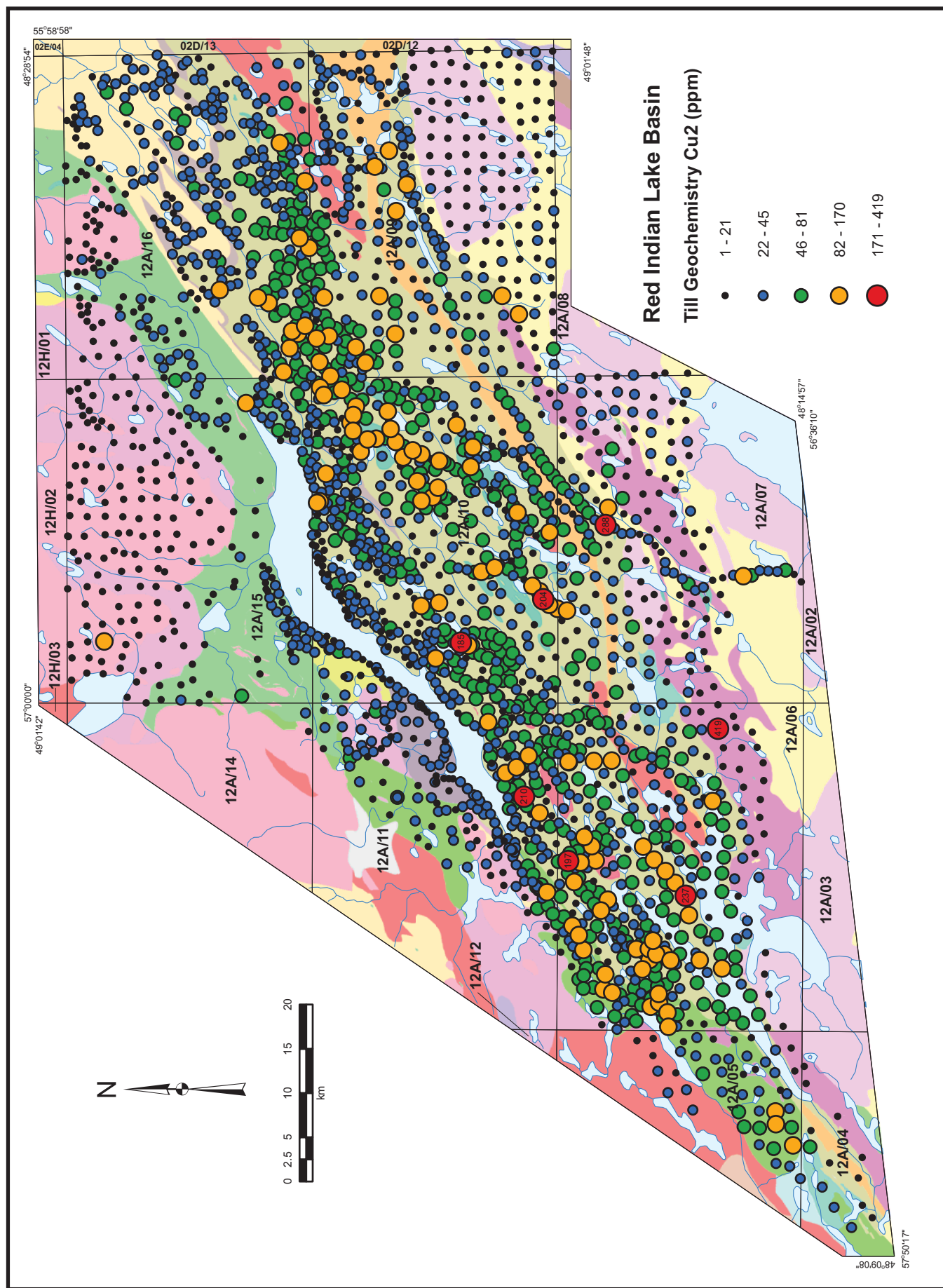


Figure 40. *Distribution of copper (Cu₂) in till.*

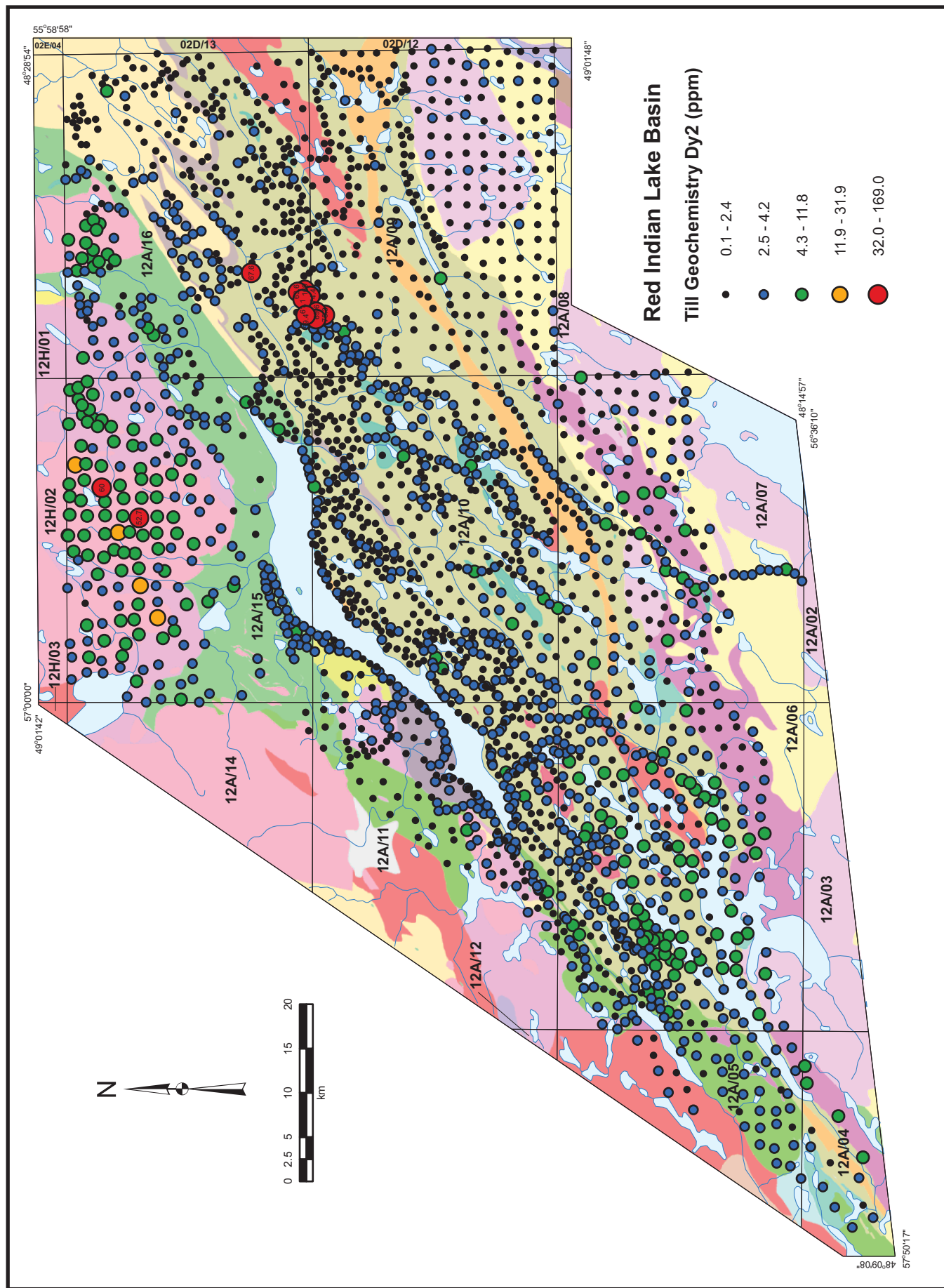


Figure 41. Distribution of dysprosium (Dy₂) in till.

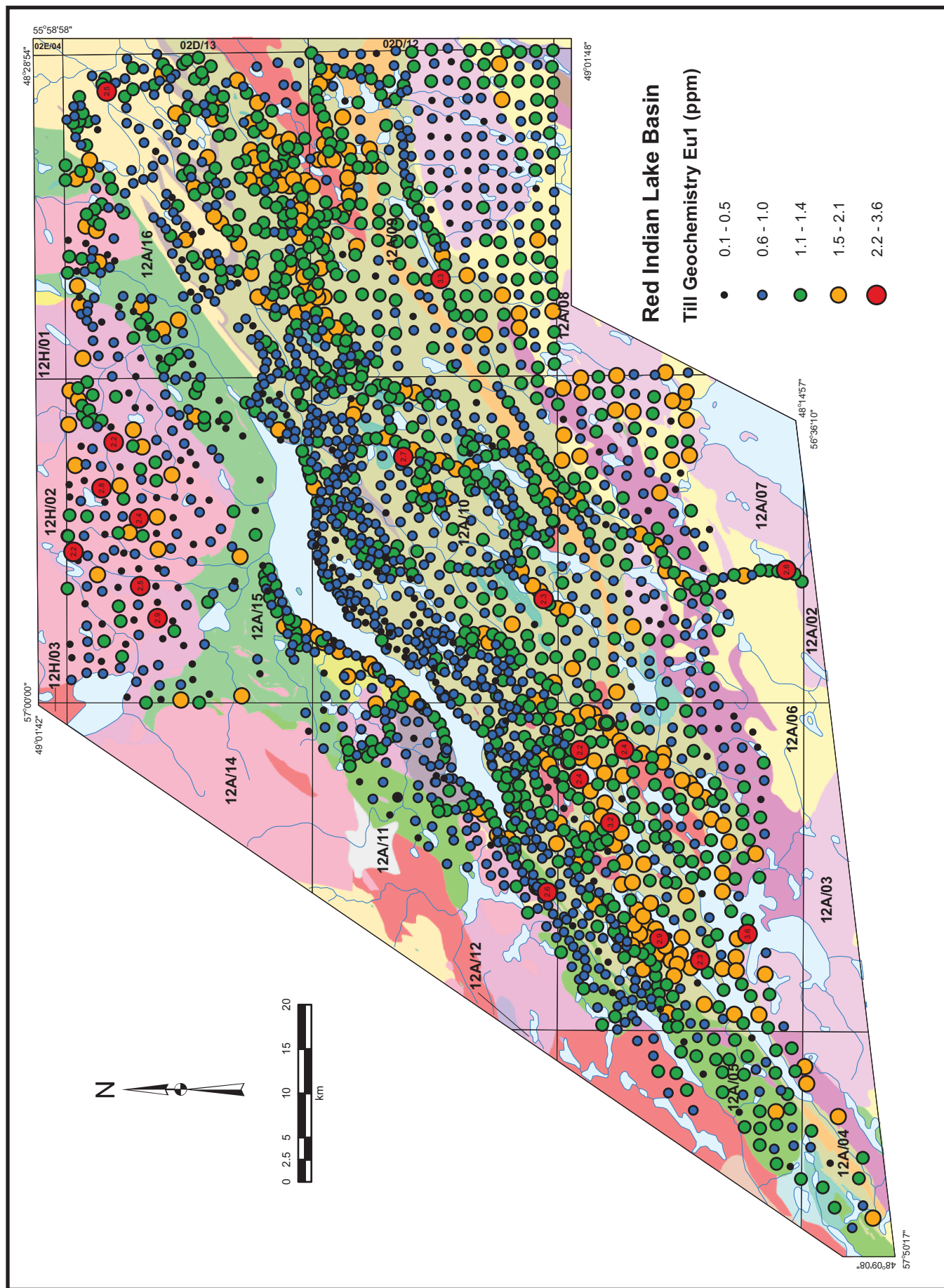


Figure 42. *Distribution of europium (Eu1) in till.*

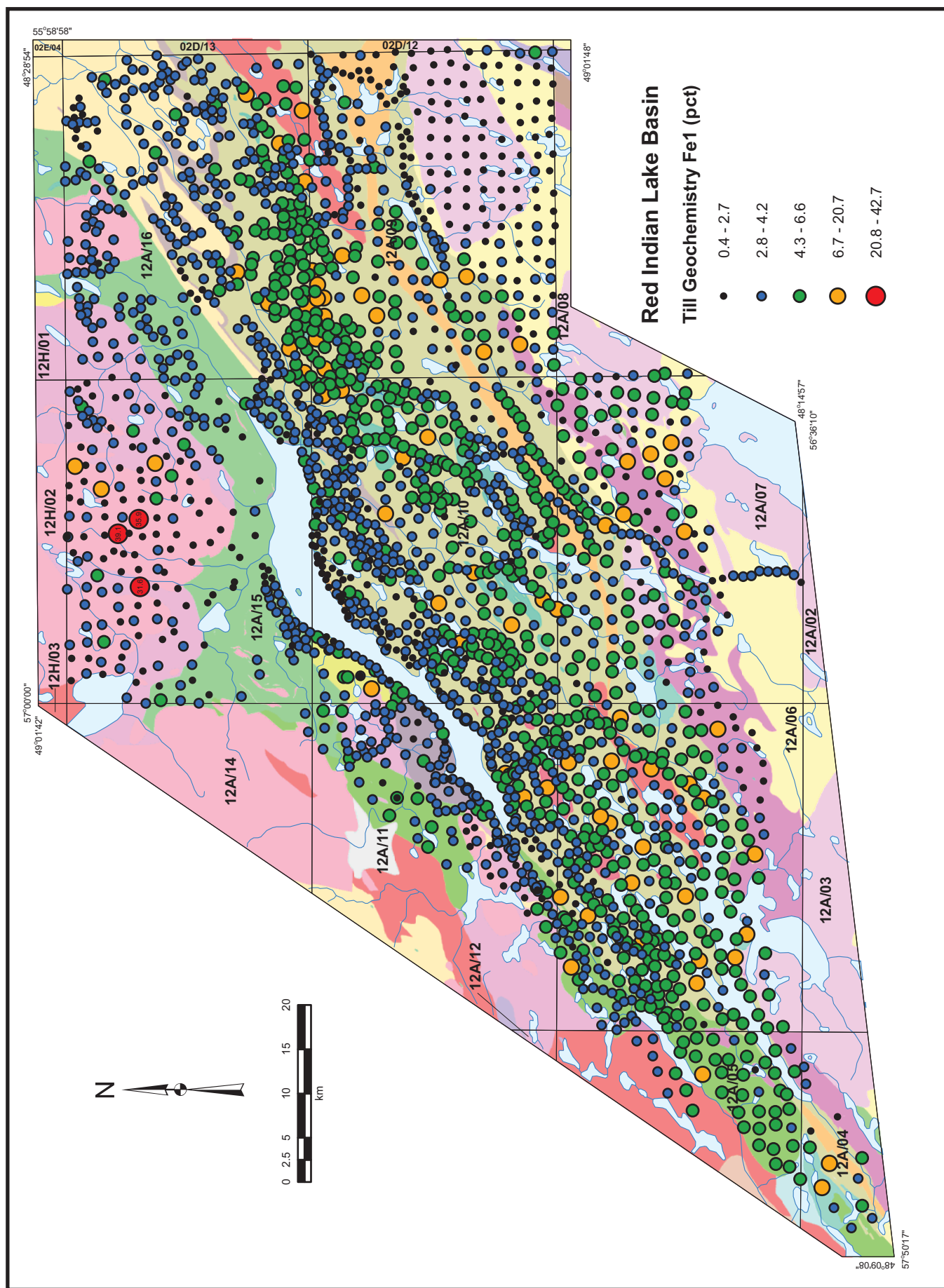


Figure 43. Distribution of iron (*Fe1_pct*) in till.

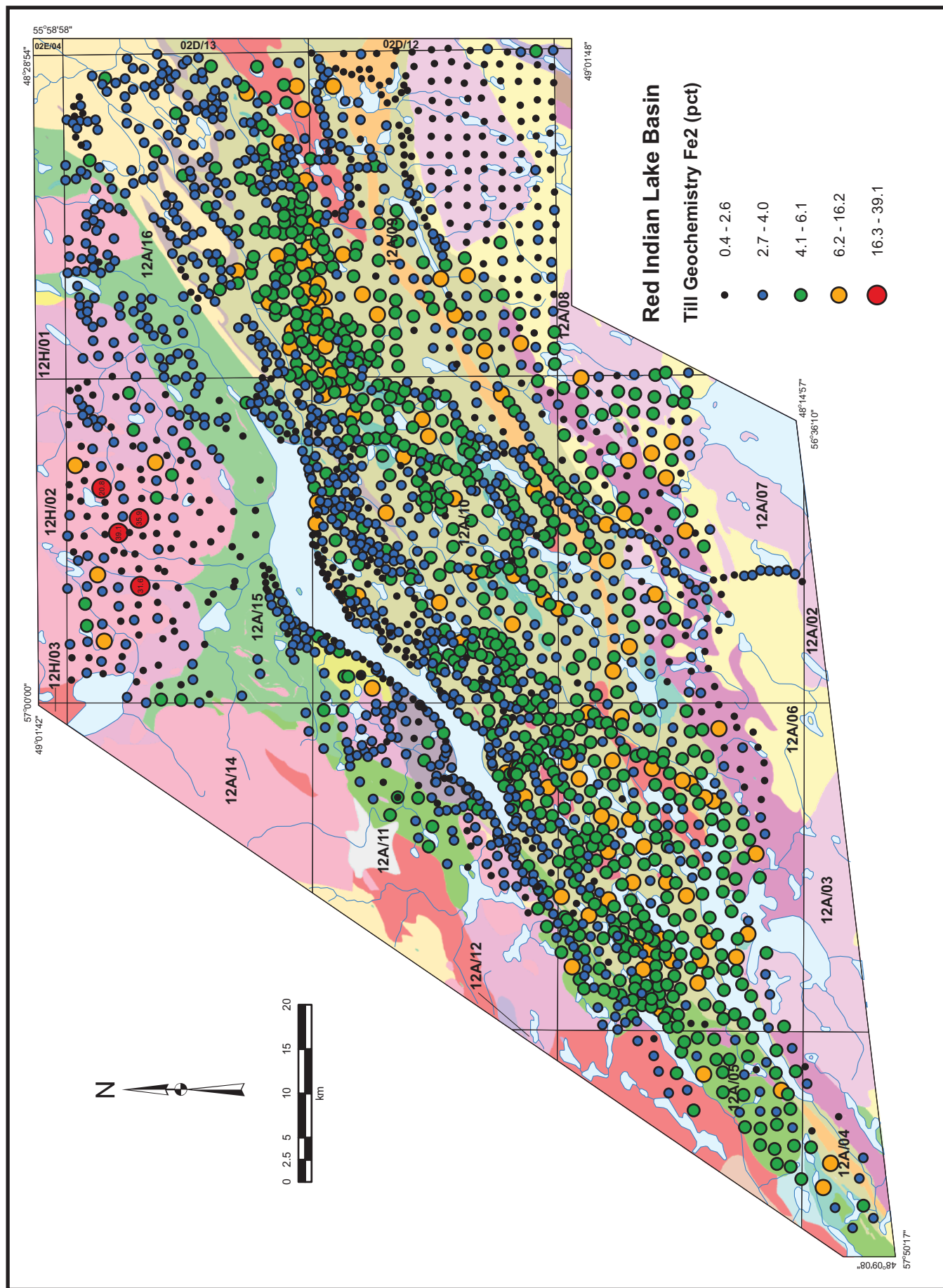


Figure 44. Distribution of iron (*Fe2_pct*) in till.

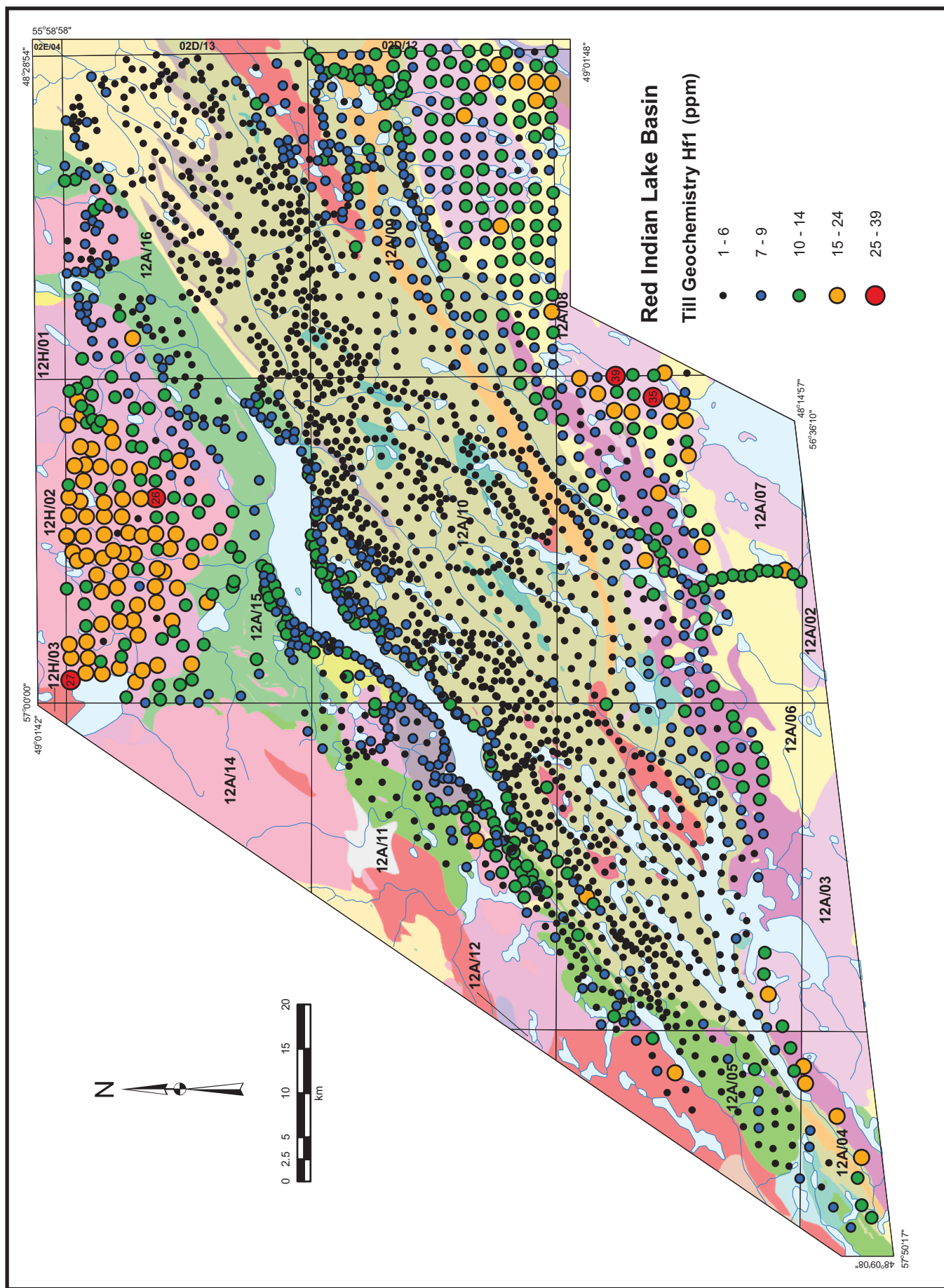


Figure 45. Distribution of hafnium (Hf) in till.

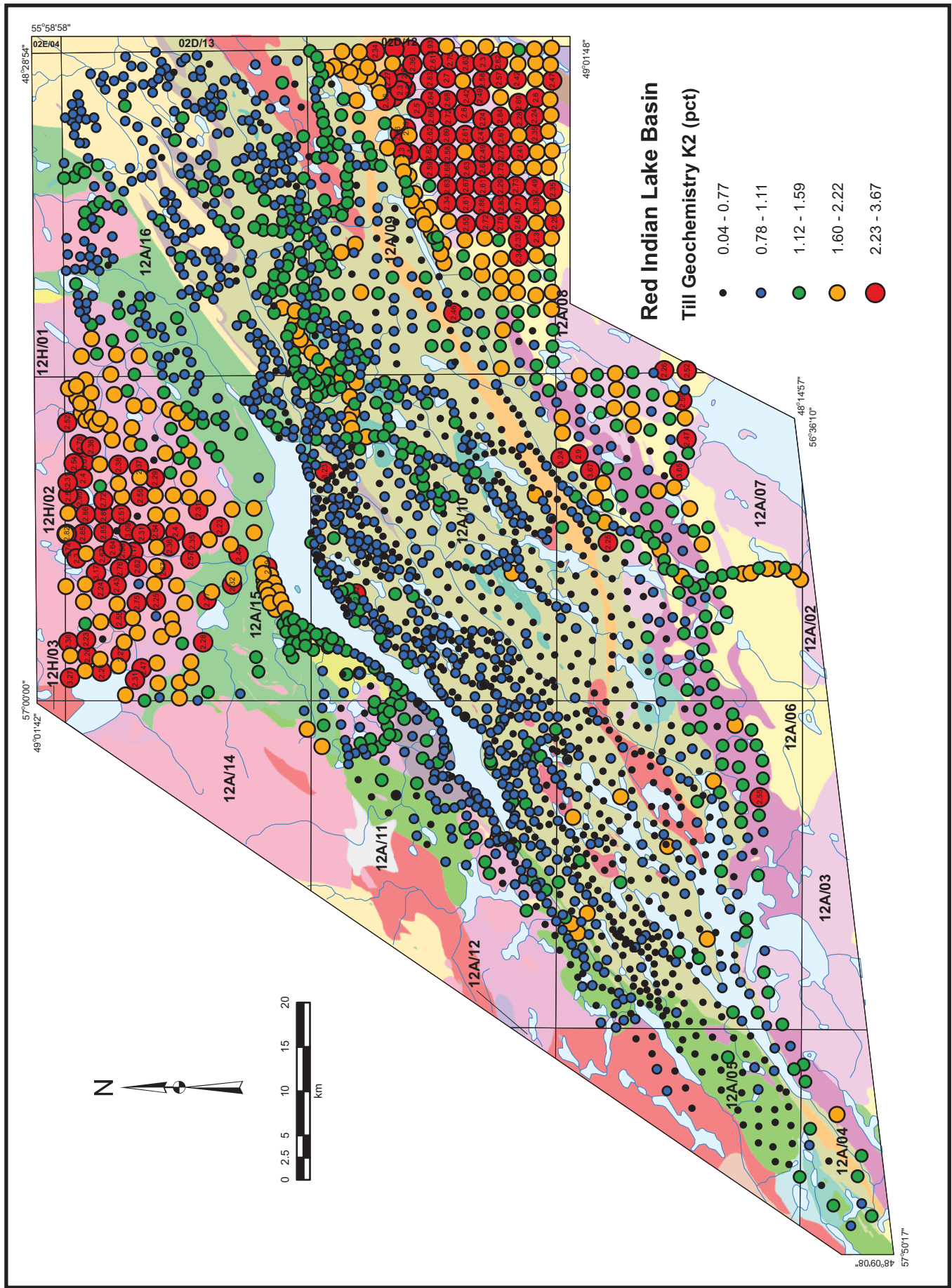


Figure 46. *Distribution of potassium (K2_pct) in till.*

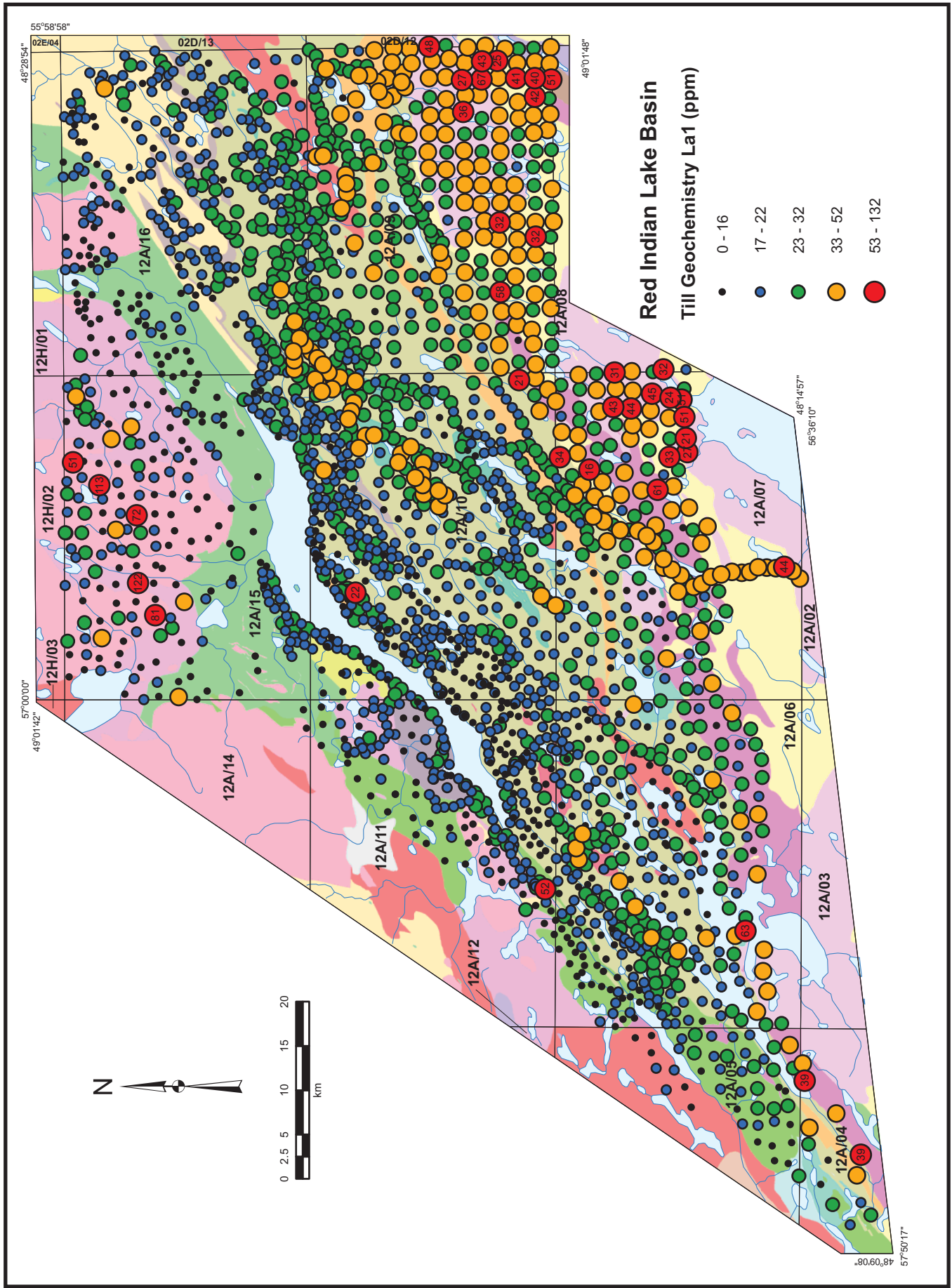


Figure 47. Distribution of lanthanum (La1) in till.

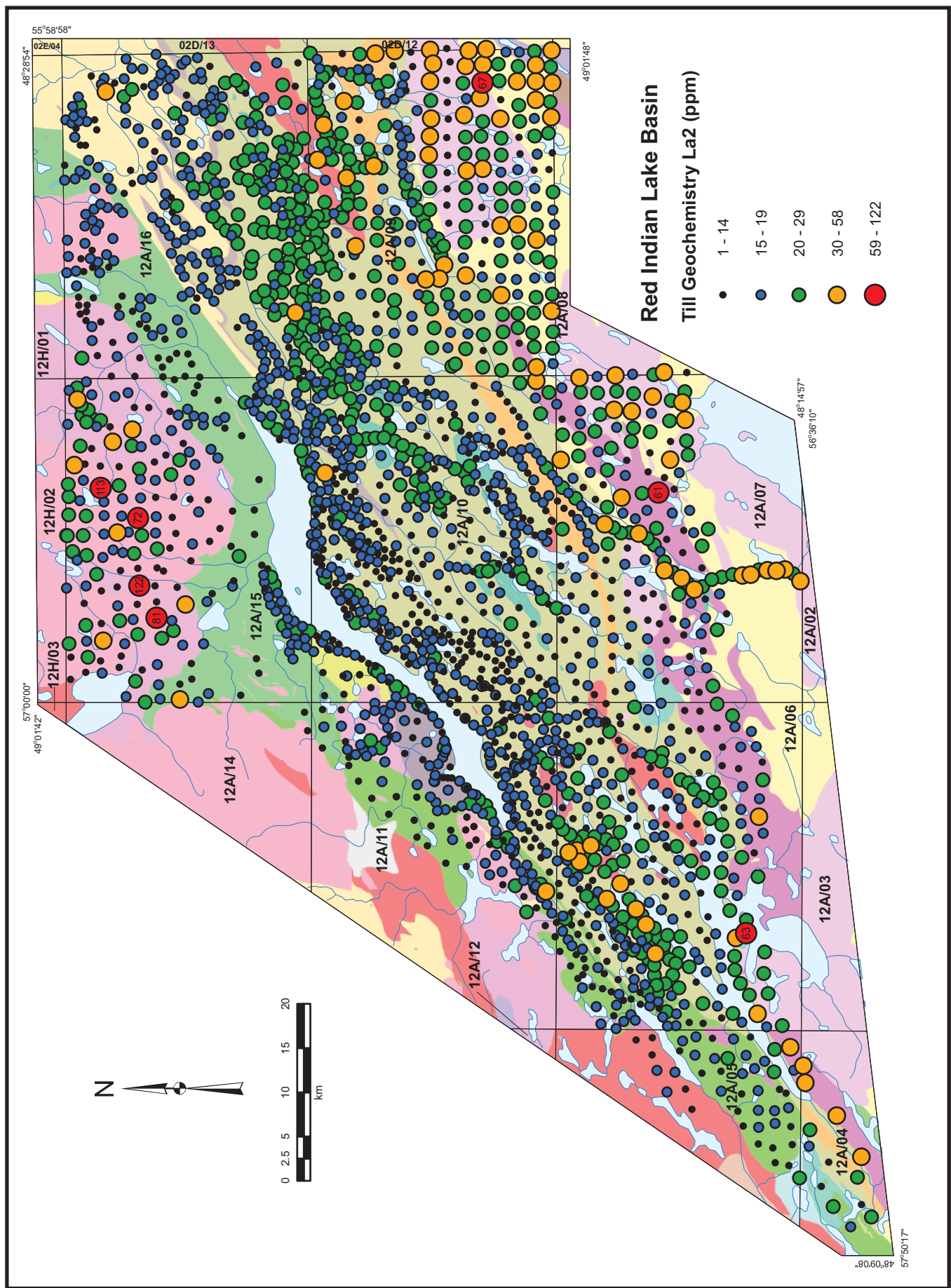


Figure 48. Distribution of lanthanum (*La2*) in till.

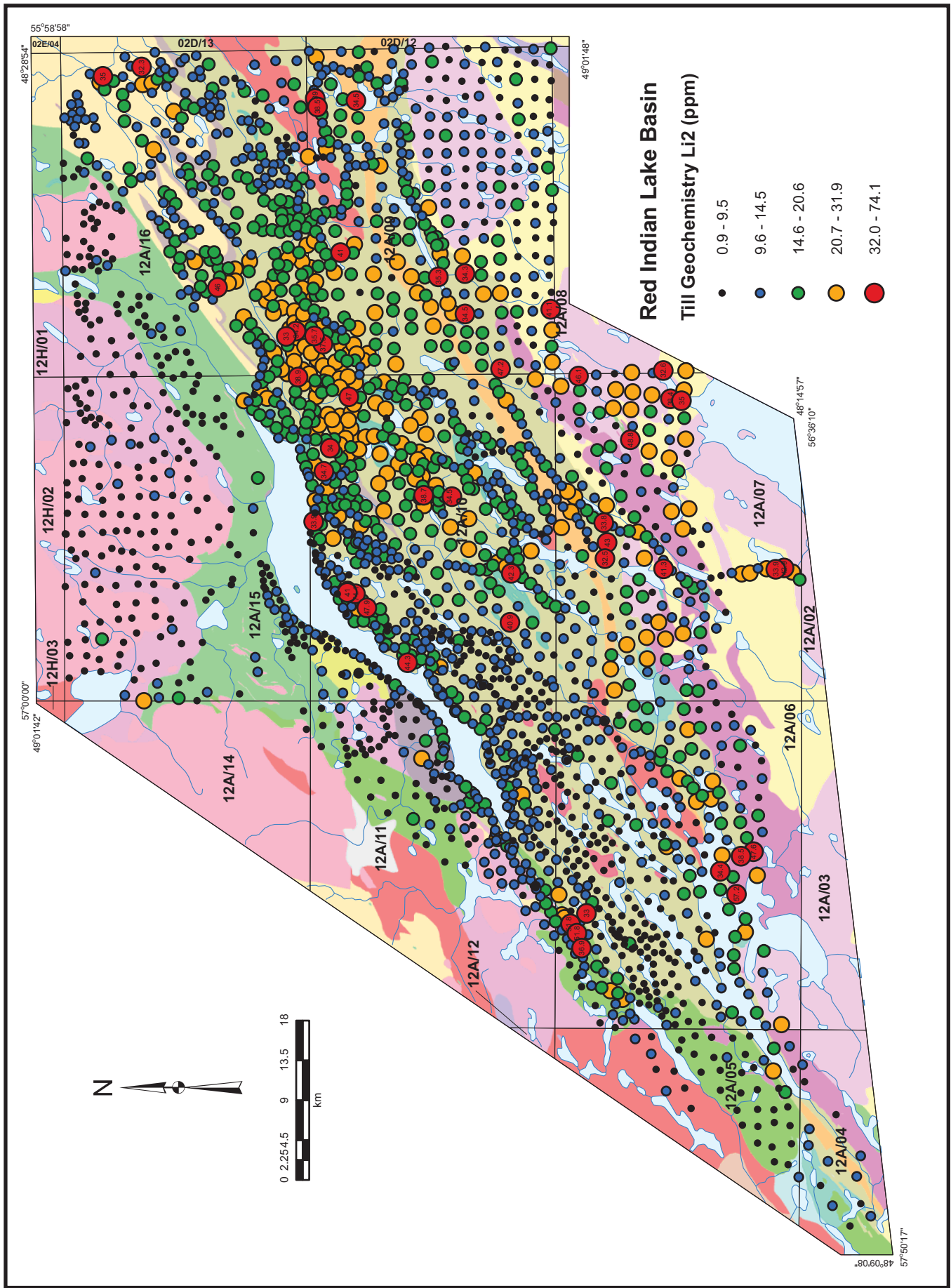


Figure 49. Distribution of lithium (Li2) in till.

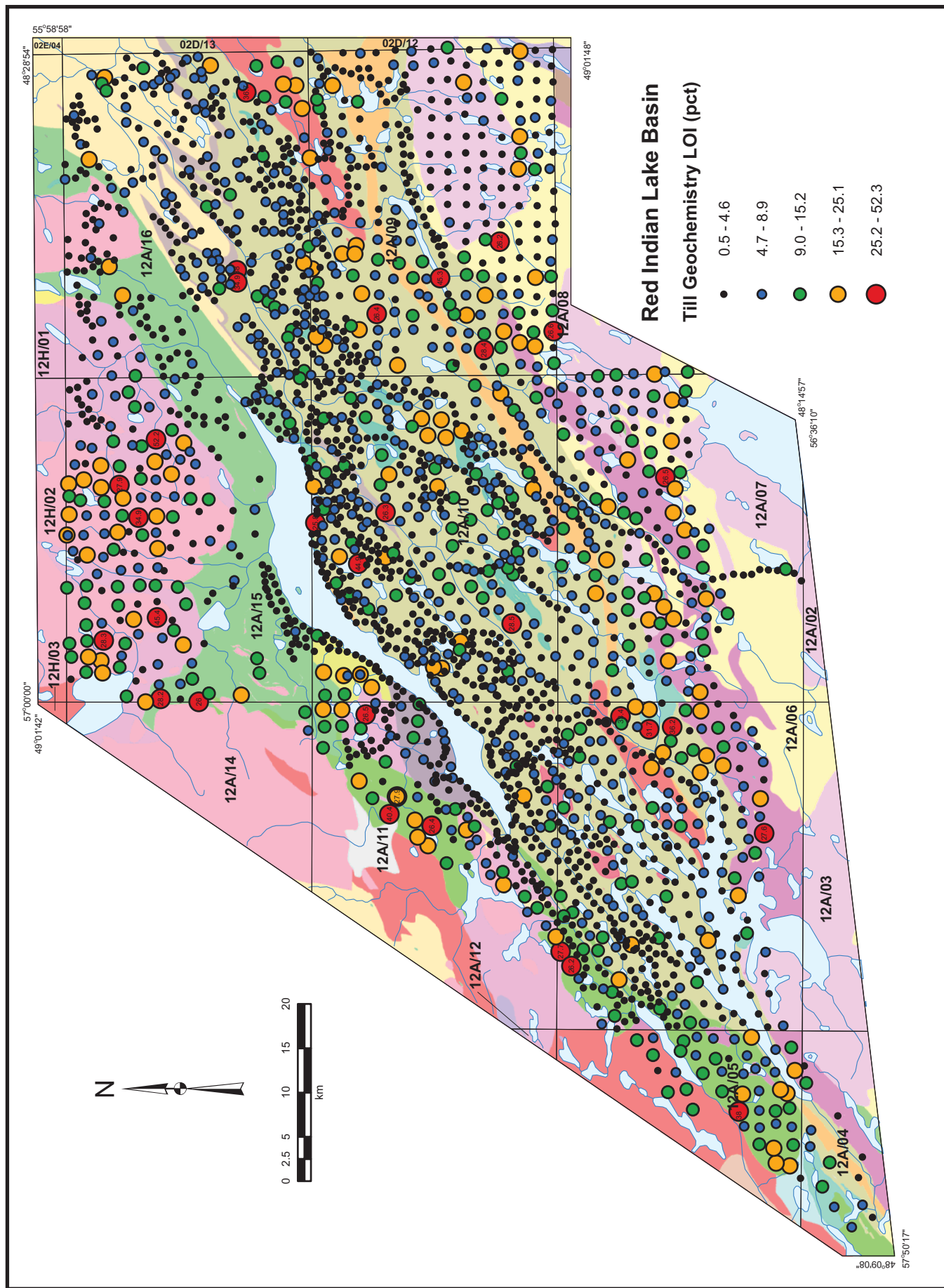


Figure 50. *Distribution of loss-on-ignition (LOI_pct) in till.*

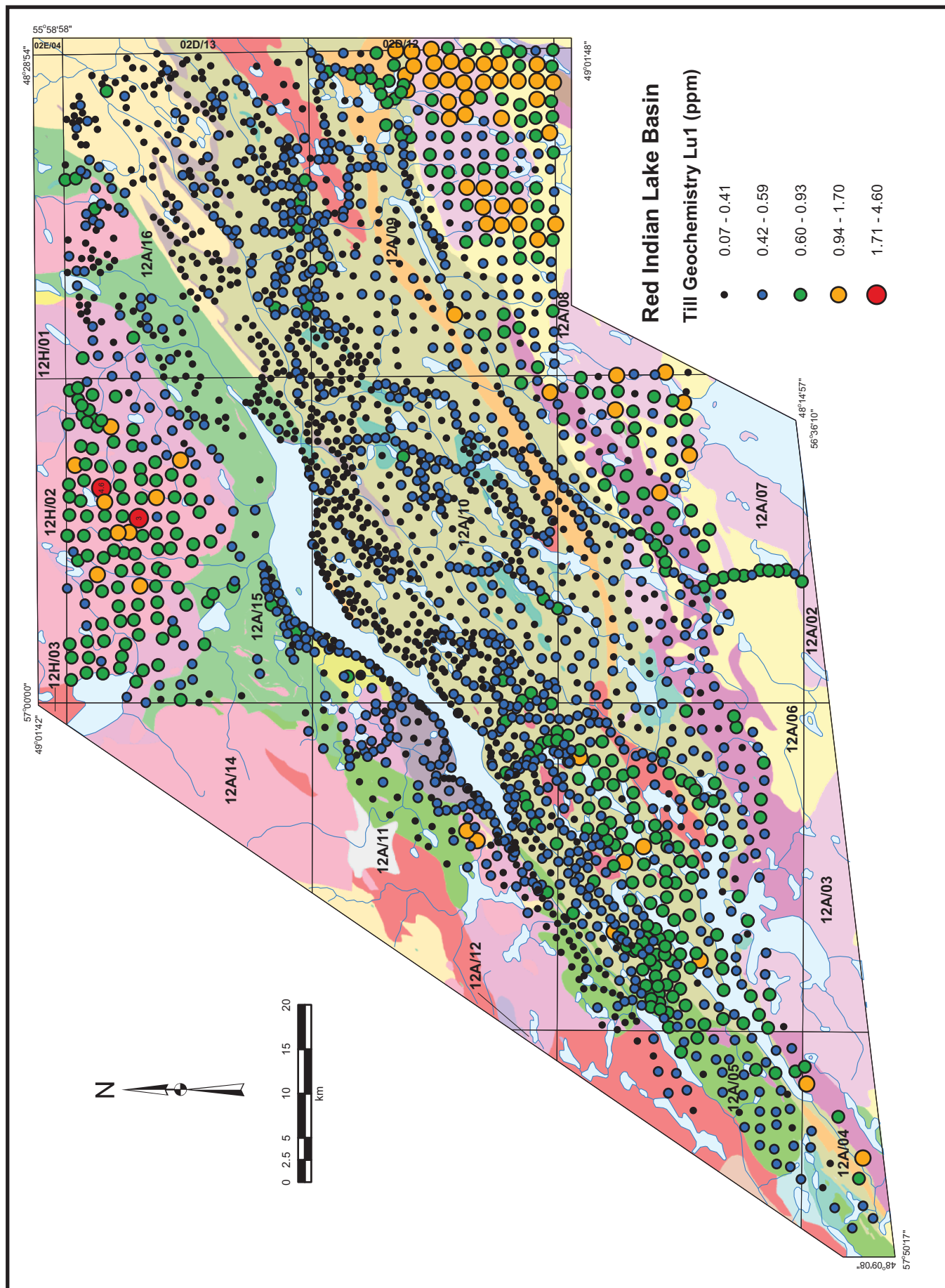


Figure 51. Distribution of lutetium (Lu1) in till.

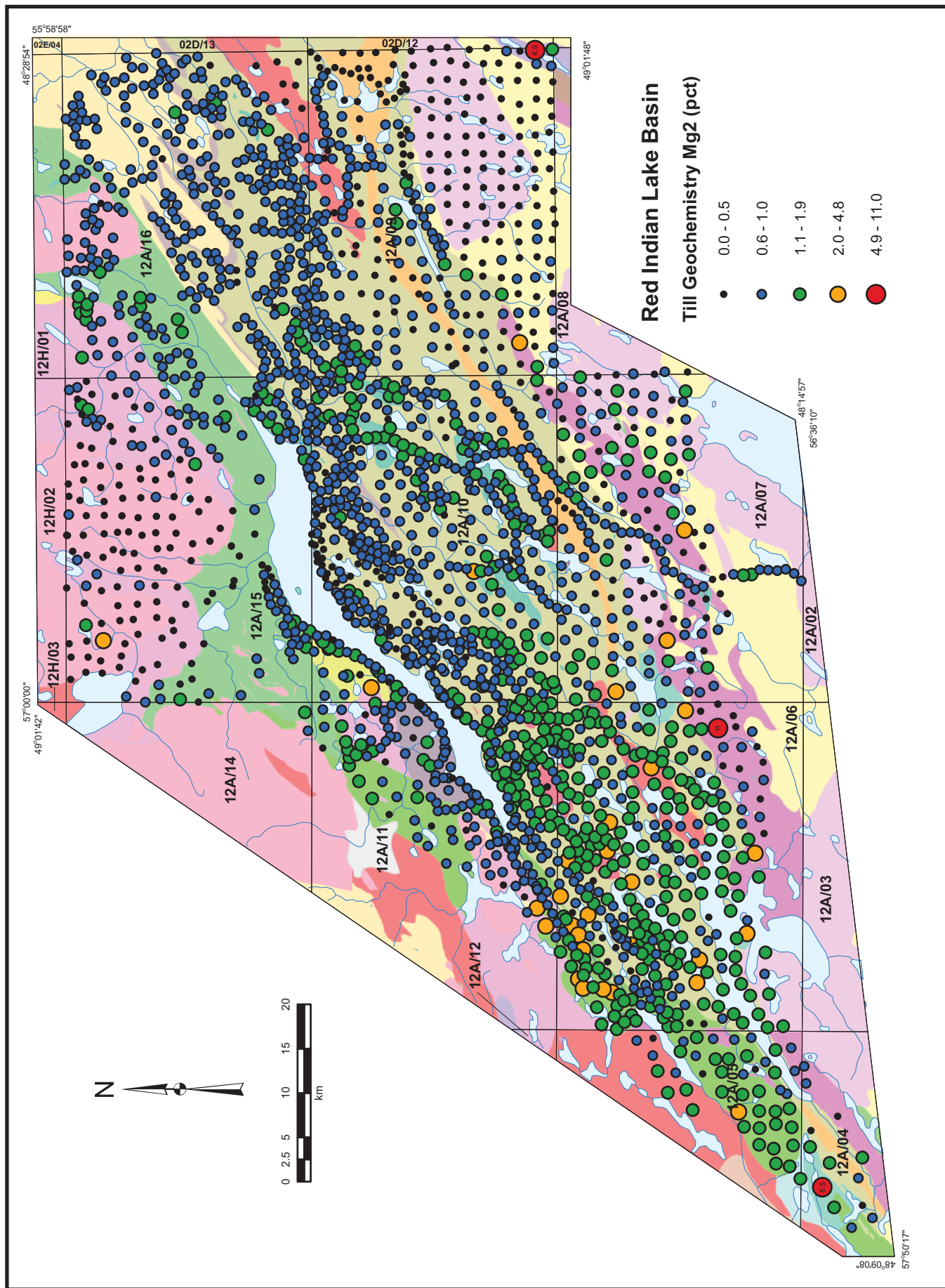


Figure 52. Distribution of magnesium (*Mg2_pct*) in till.

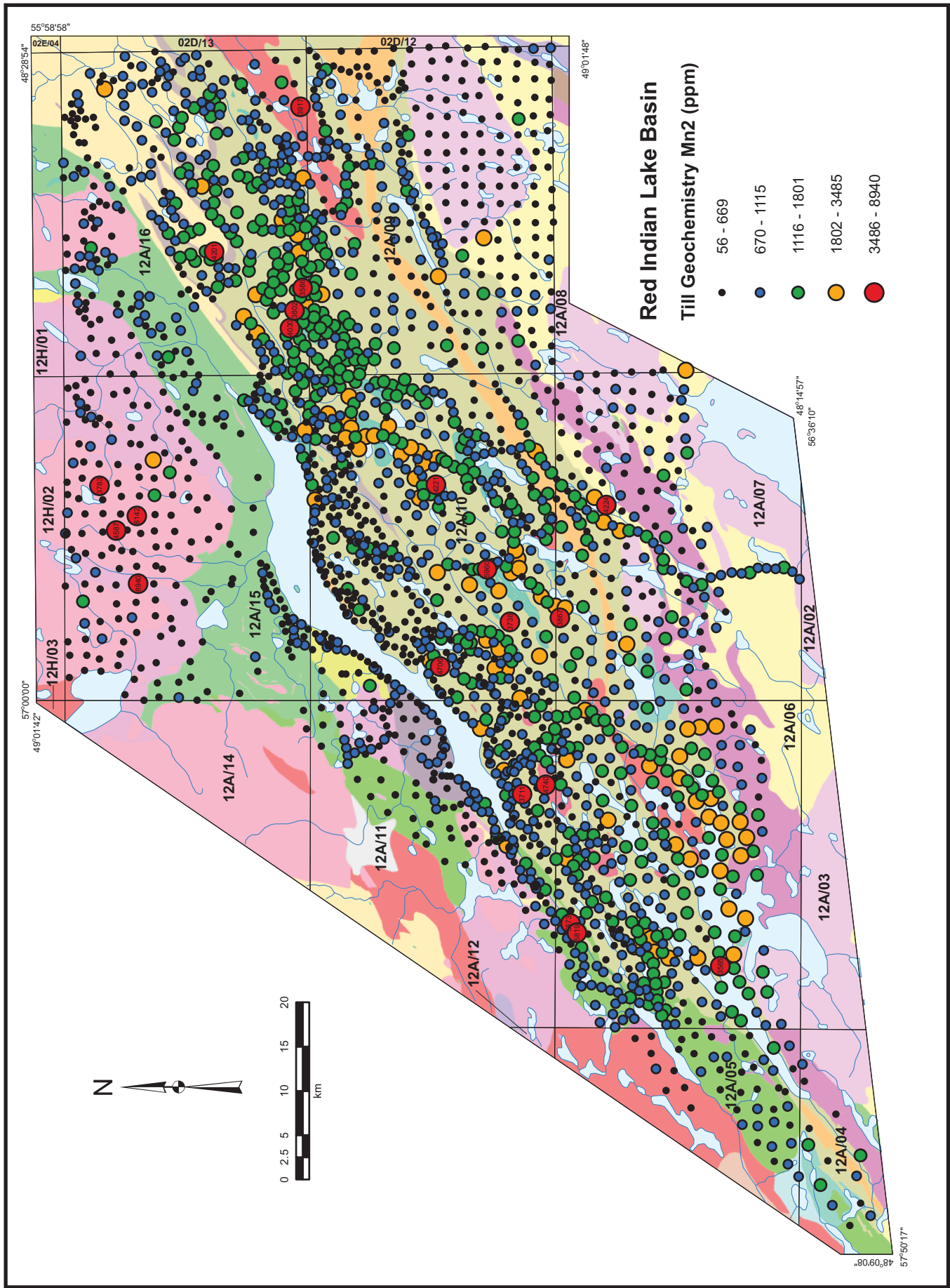


Figure 53. Distribution of manganese (*Mn2*) in till.

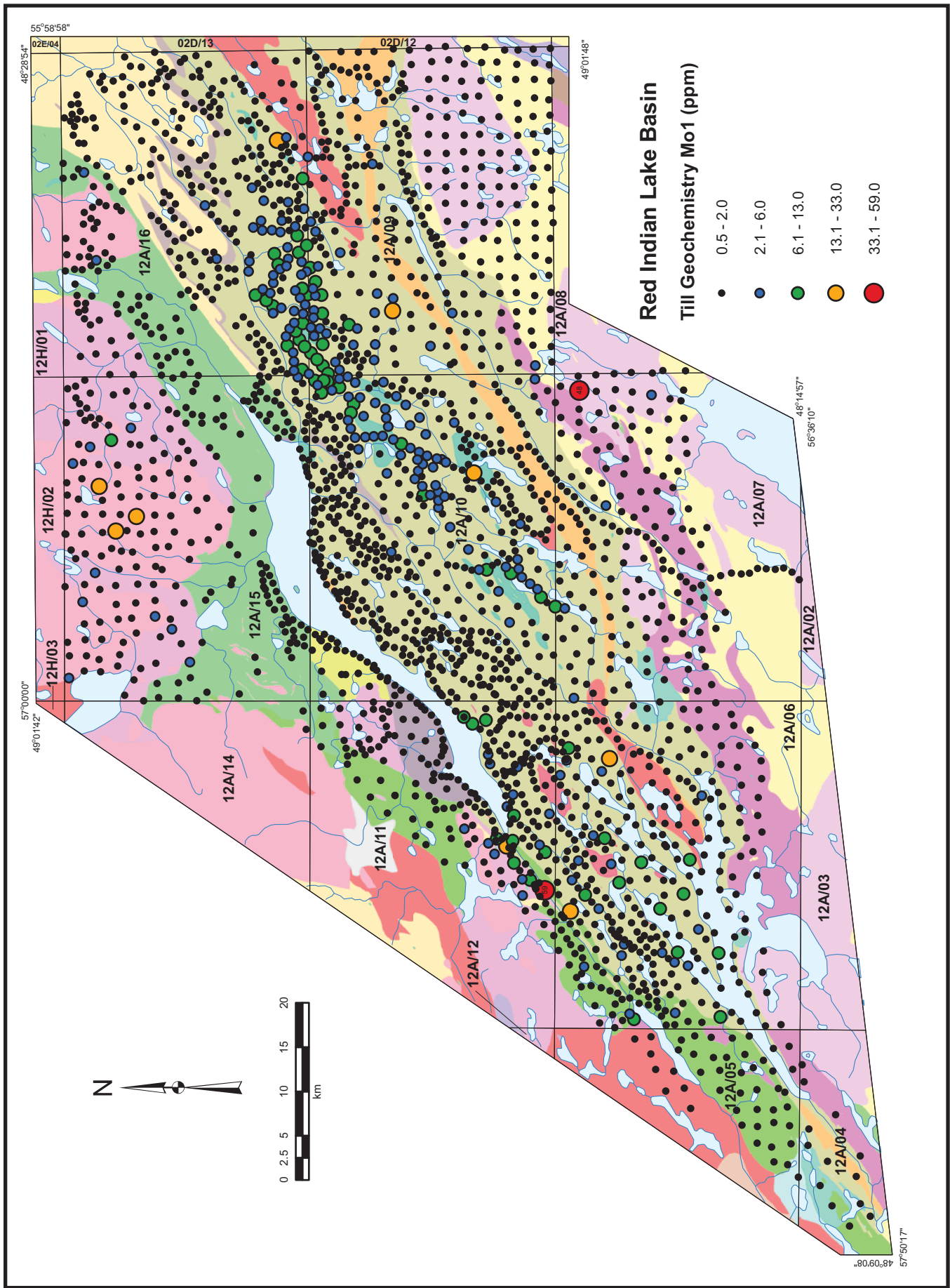


Figure 54. *Distribution of molybdenum (Mo1) in till.*

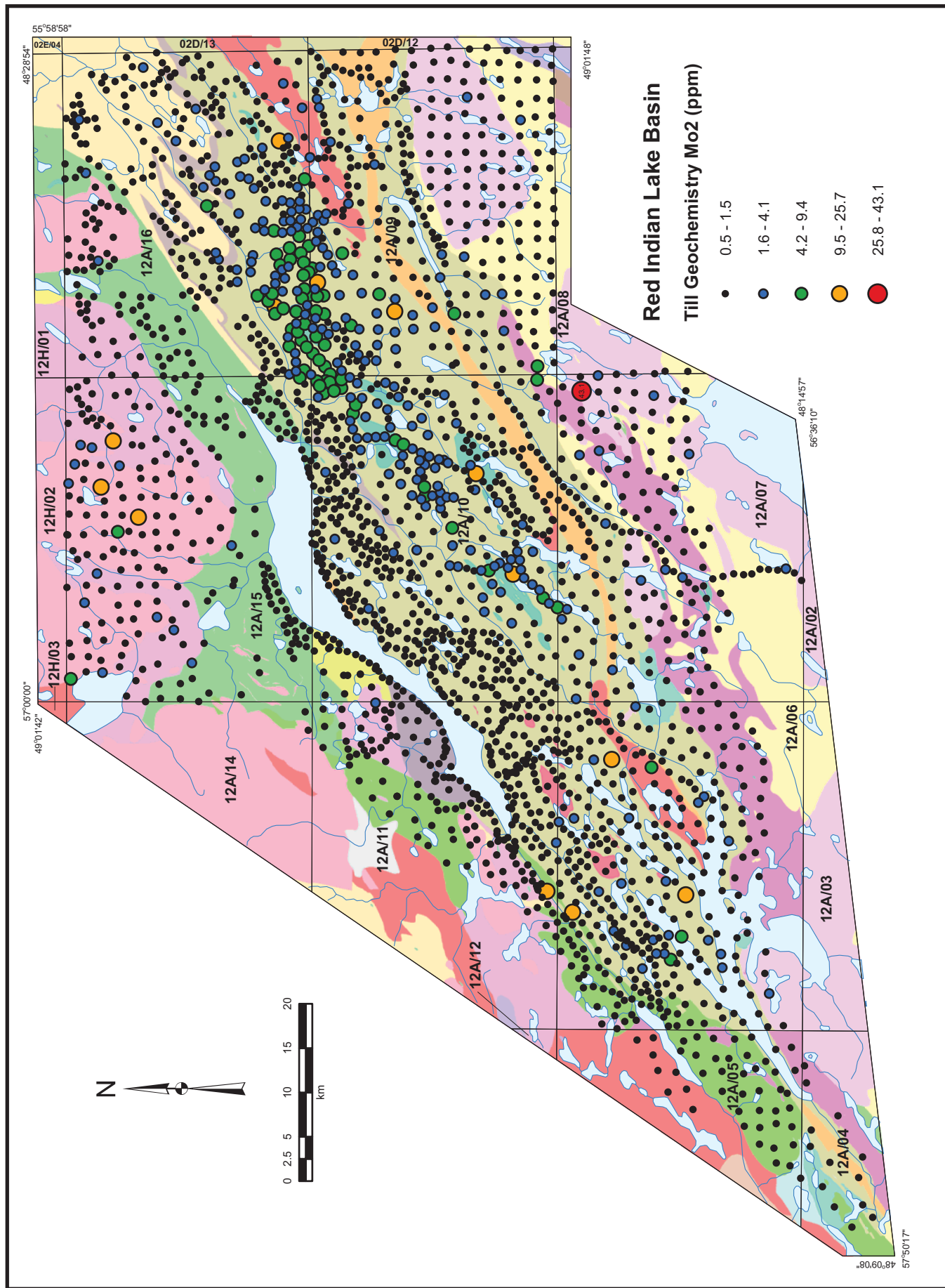


Figure 55. *Distribution of molybdenum (Mo2) in till.*

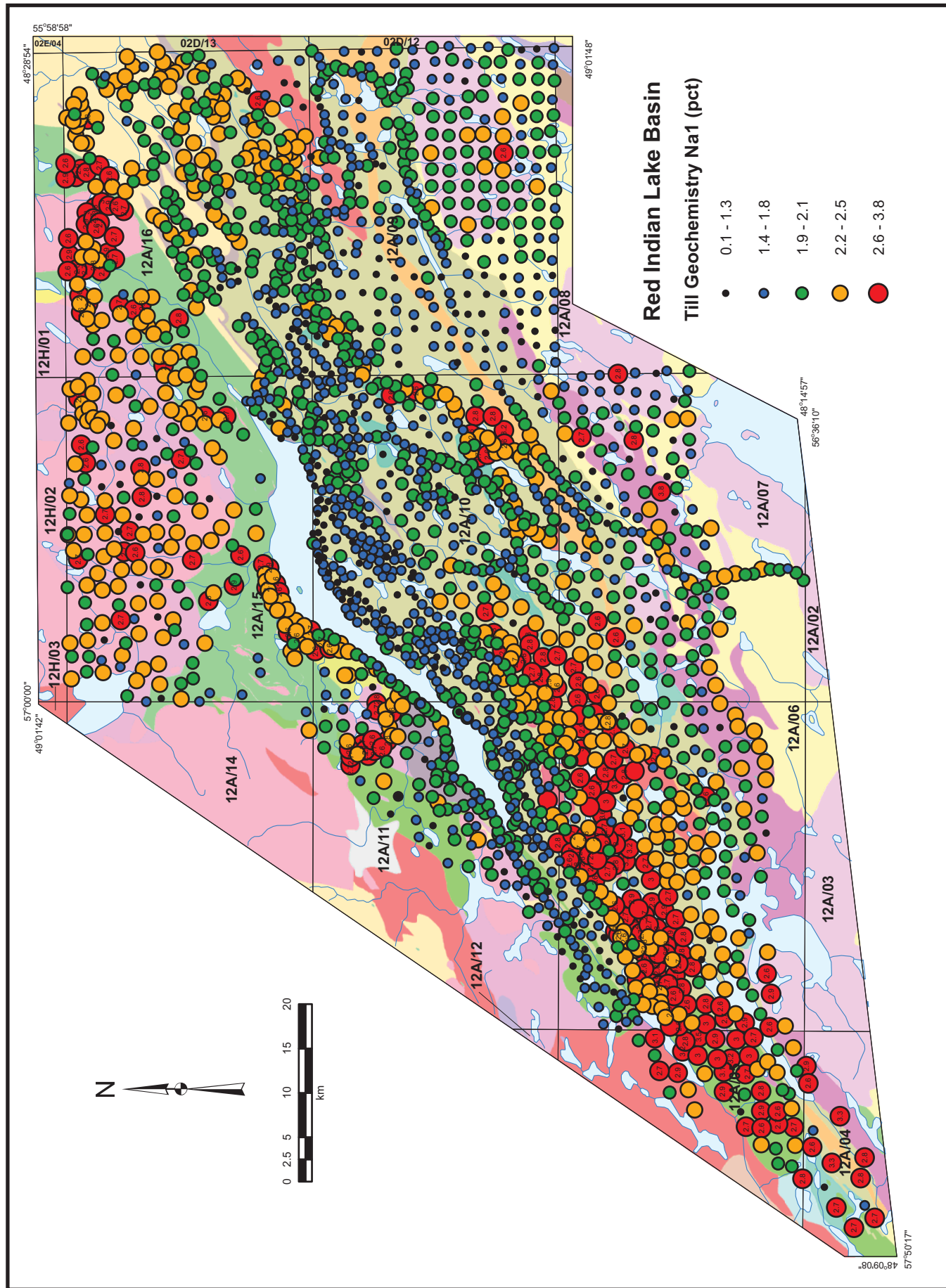


Figure 56. Distribution of sodium (Na1_pct) in till.

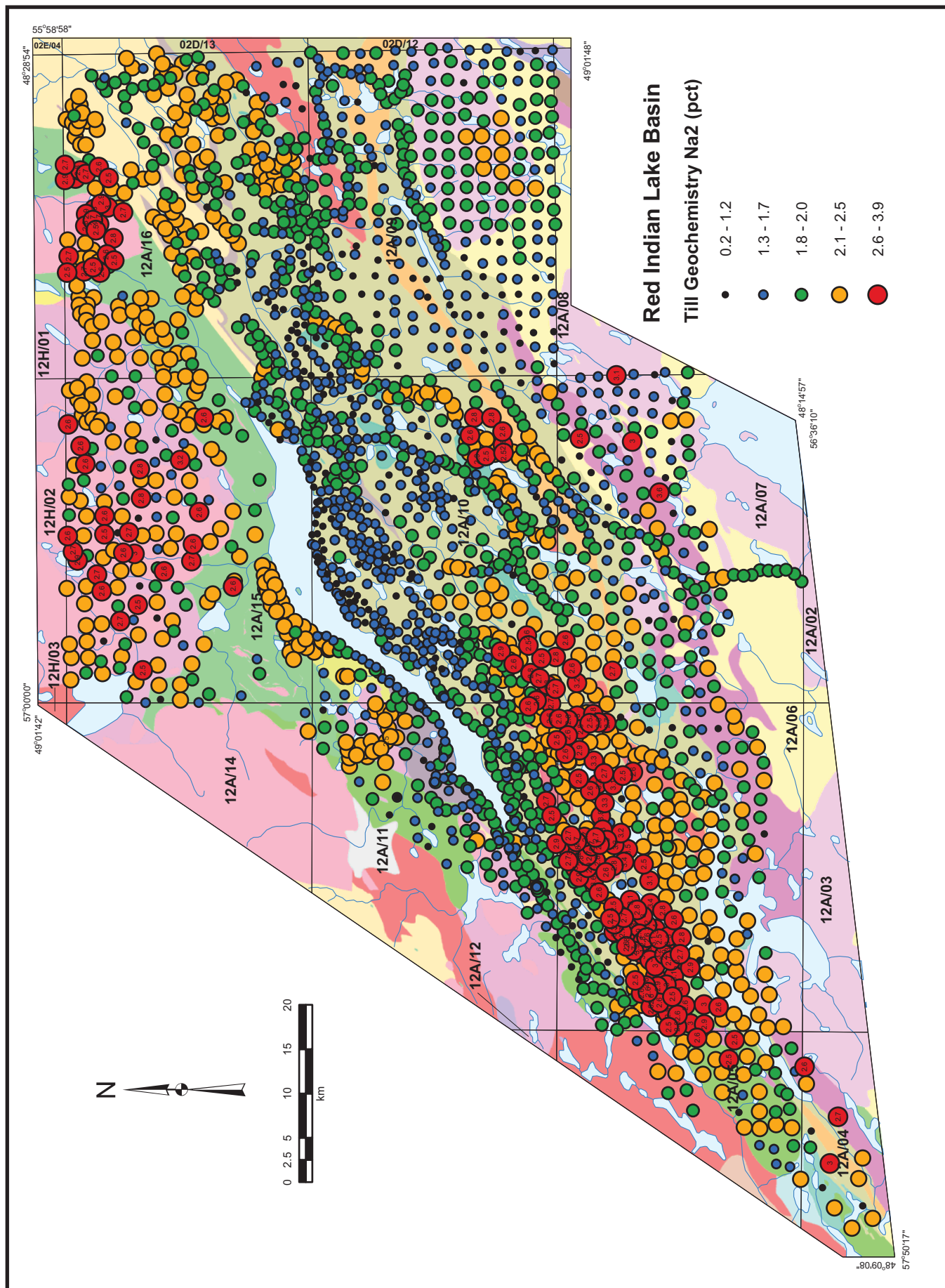


Figure 57. Distribution of sodium (Na₂_pct) in till.

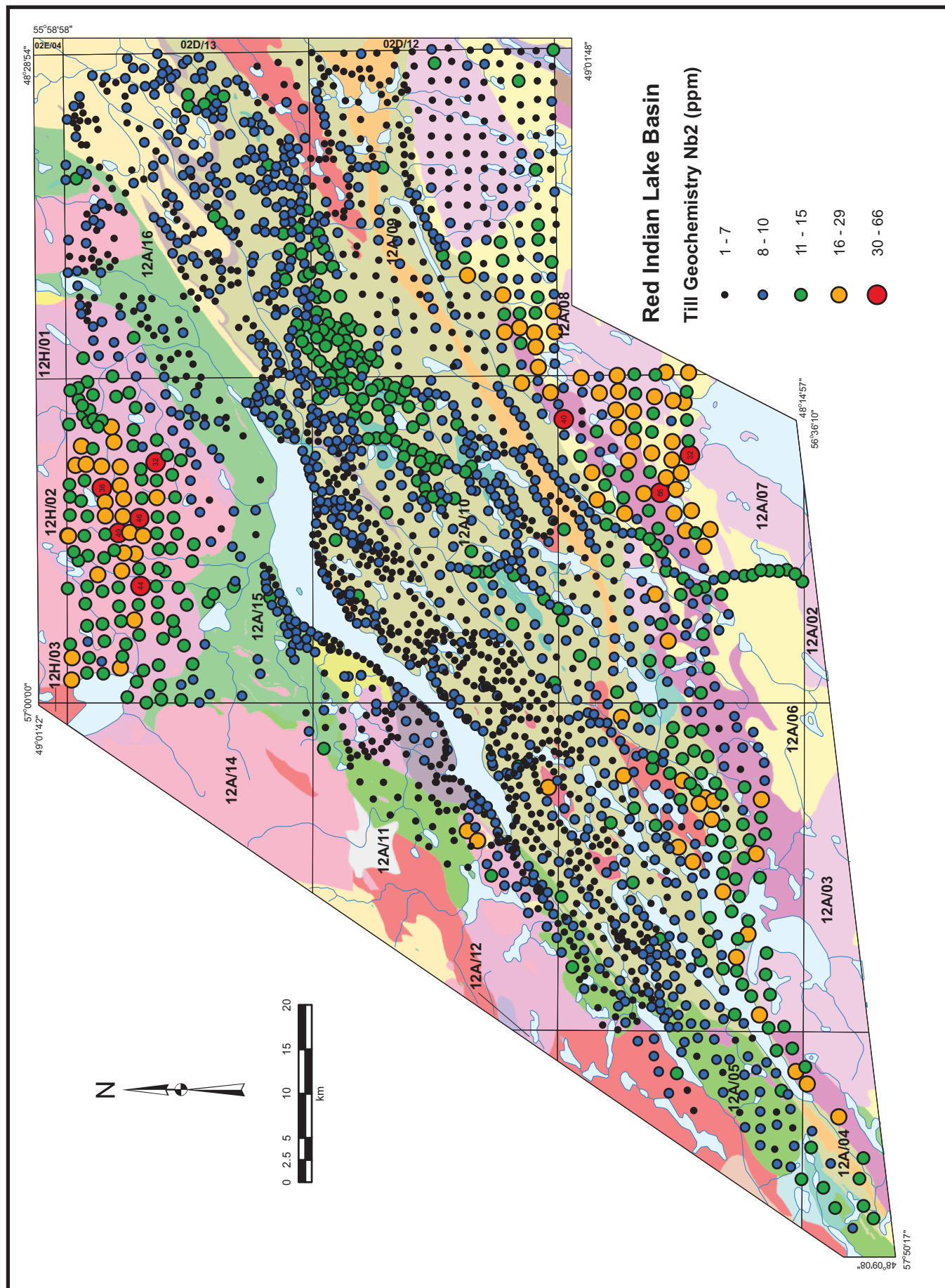


Figure 58. *Distribution of niobium (Nb2) in till.*

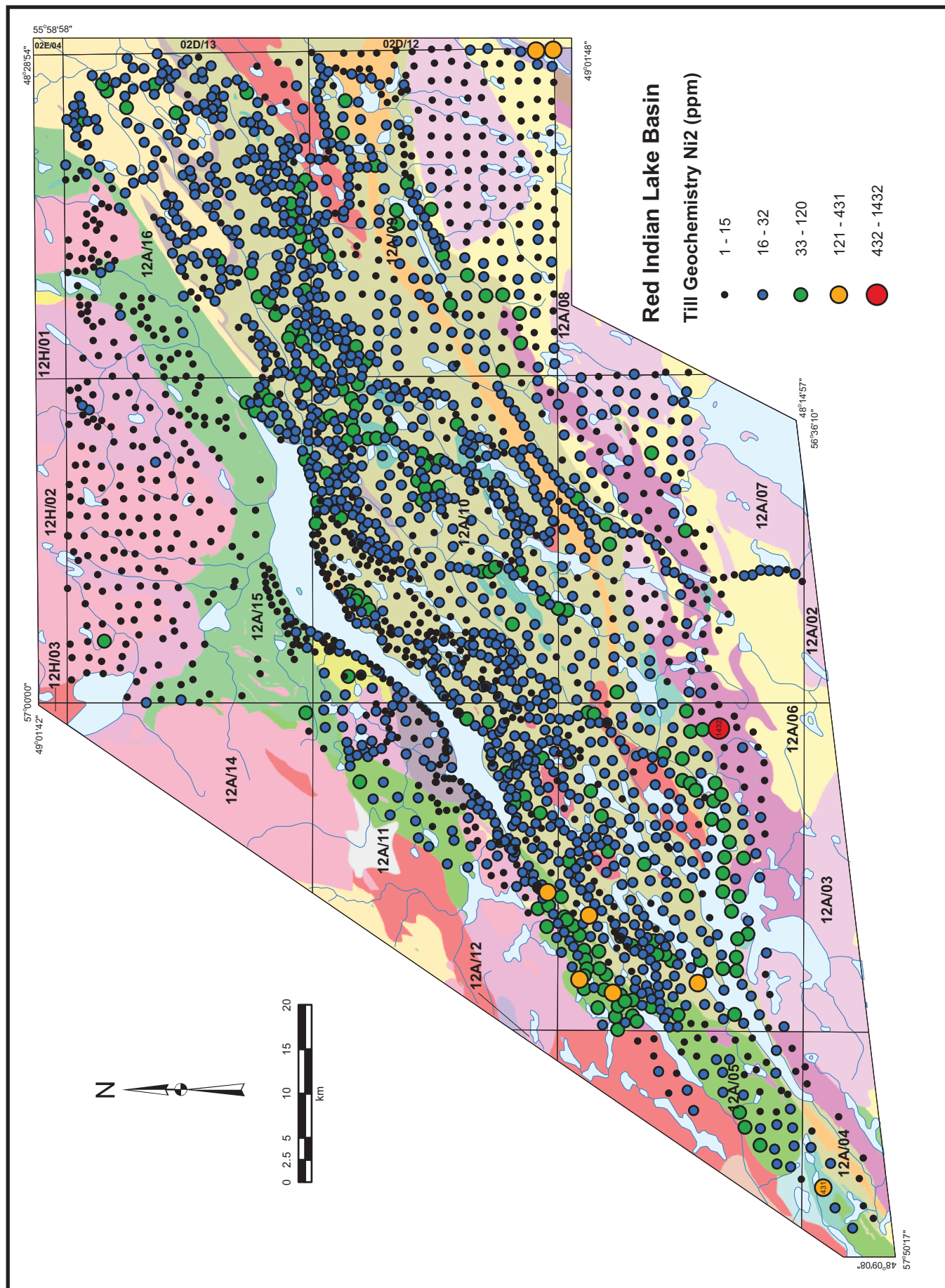


Figure 59. *Distribution of niobium (Ni2) in till.*

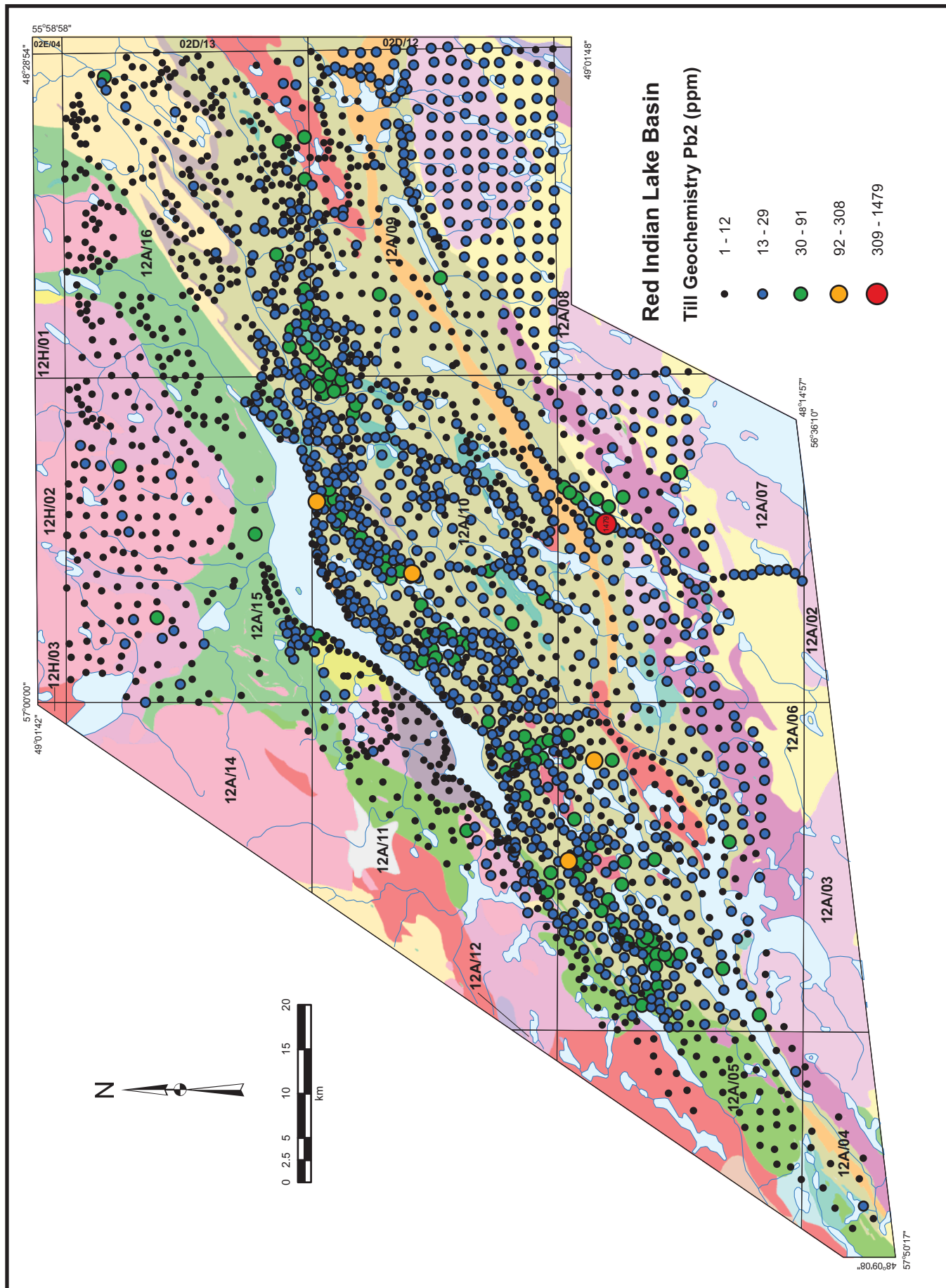


Figure 61. Distribution of lead (Pb2) in till.

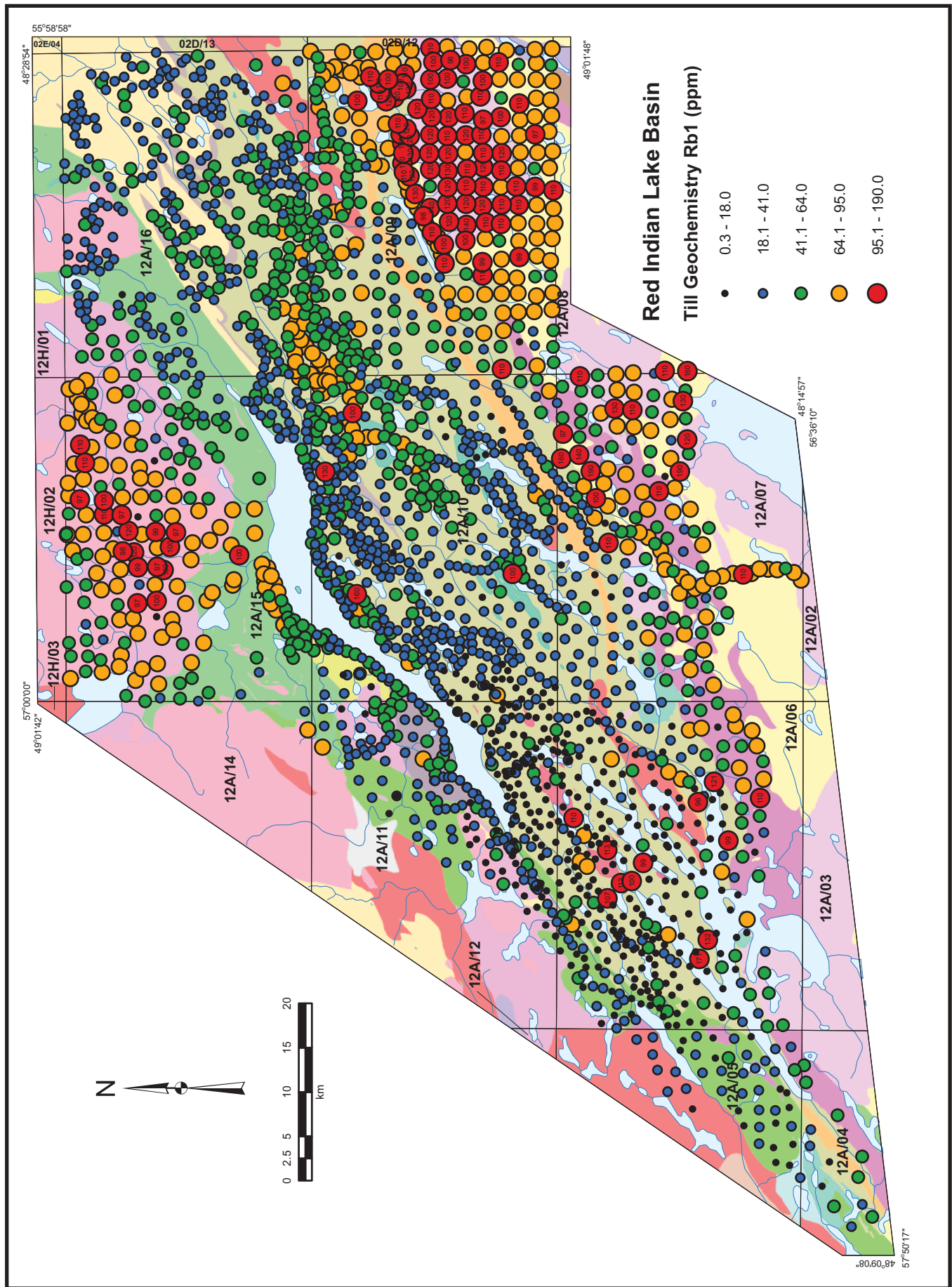


Figure 62. *Distribution of rubidium (Rb1) in till.*

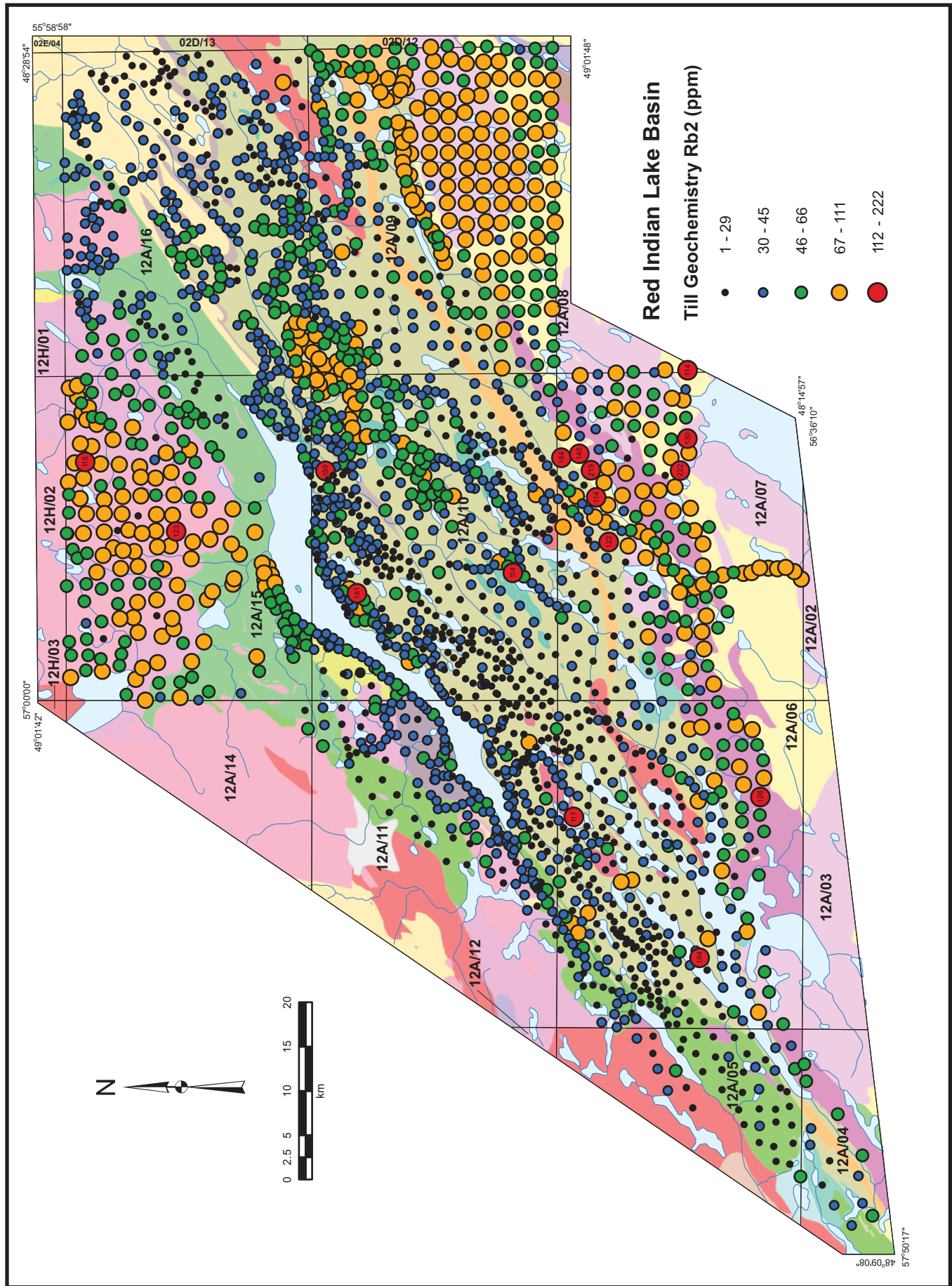


Figure 63. Distribution of rubidium (Rb2) in till.

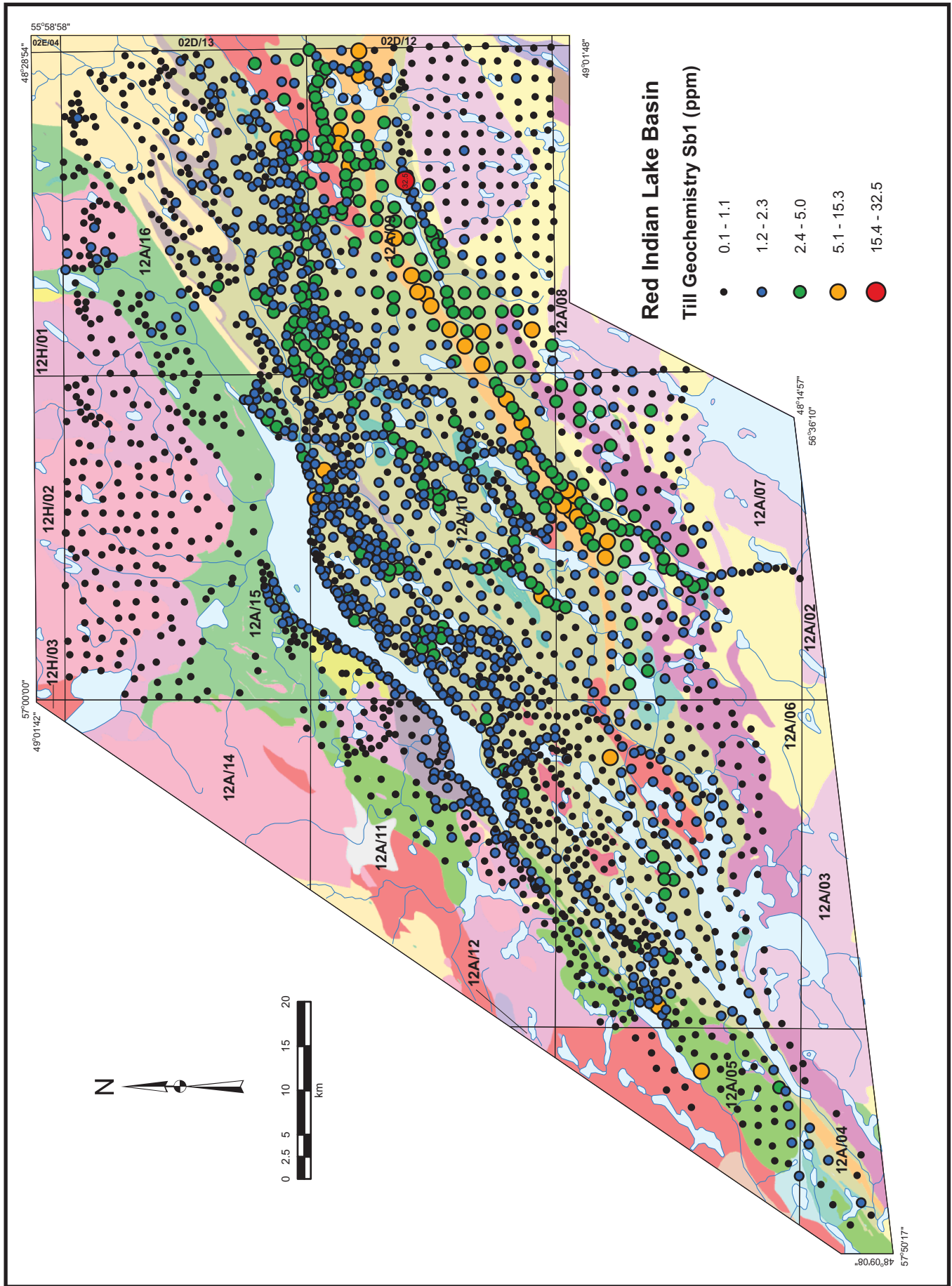


Figure 64. Distribution of antimony (Sb1) in till.

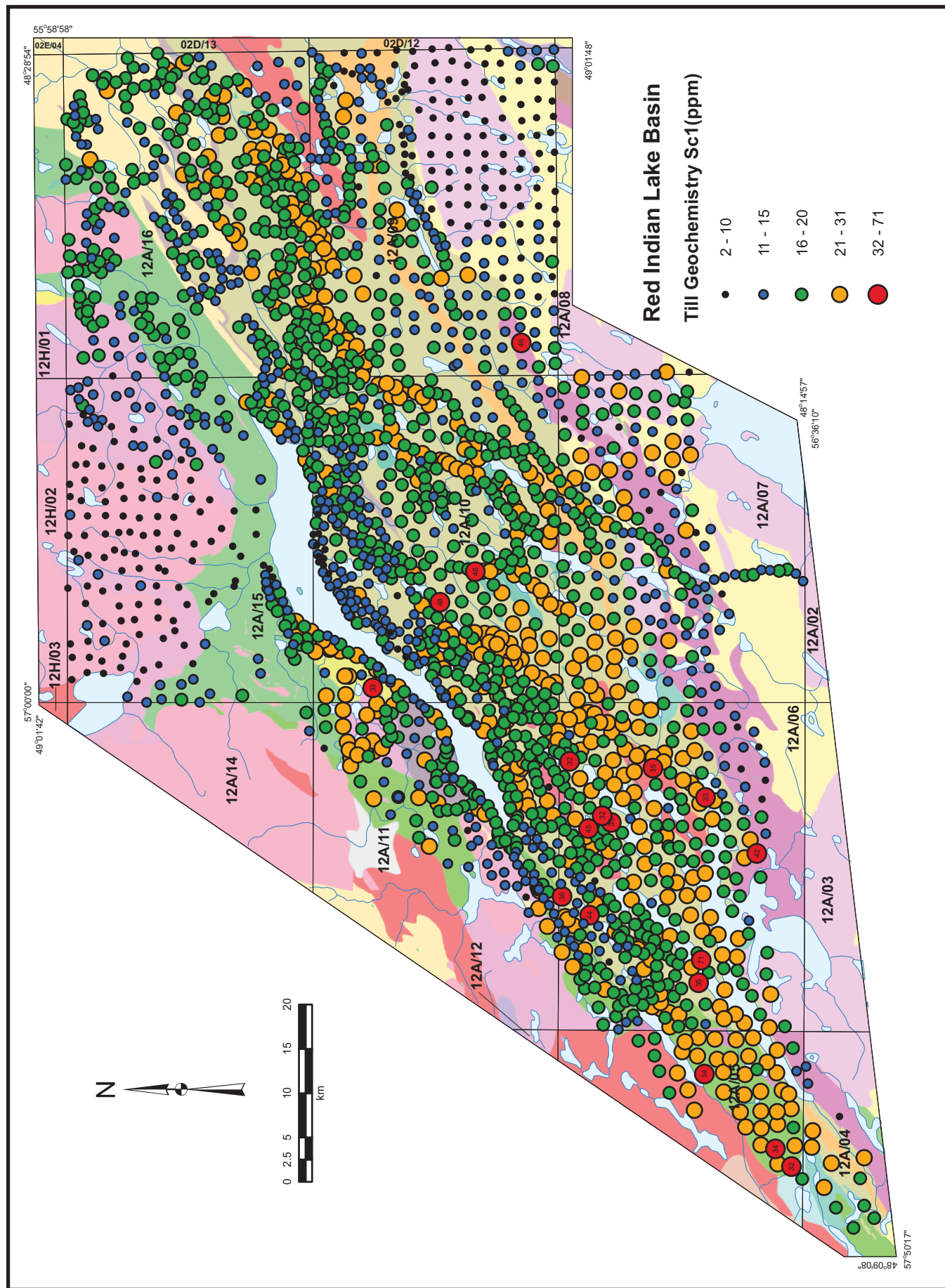


Figure 65. Distribution of scandium (Sc1) in till.

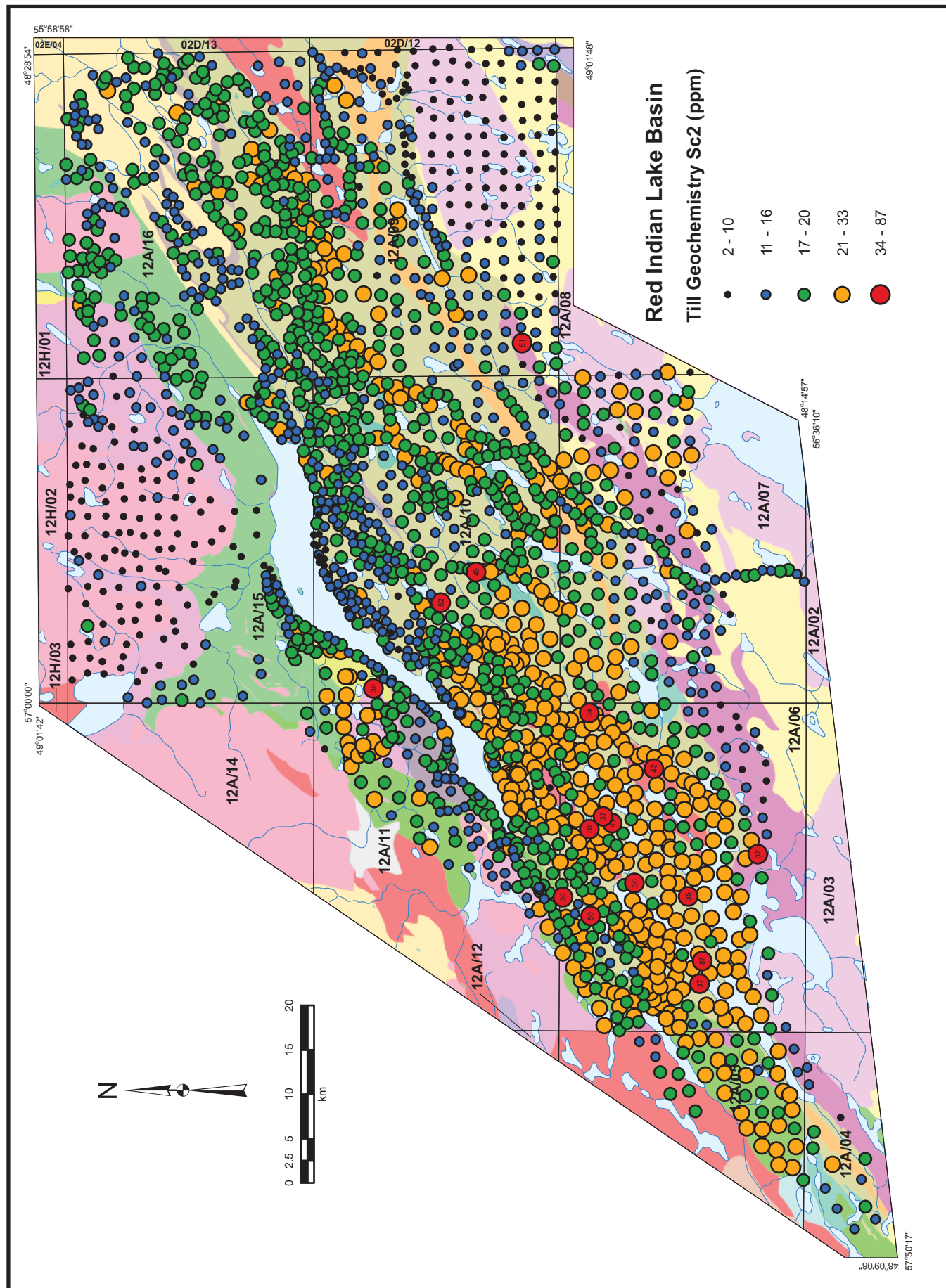


Figure 66. Distribution of scandium (Sc2) in till.

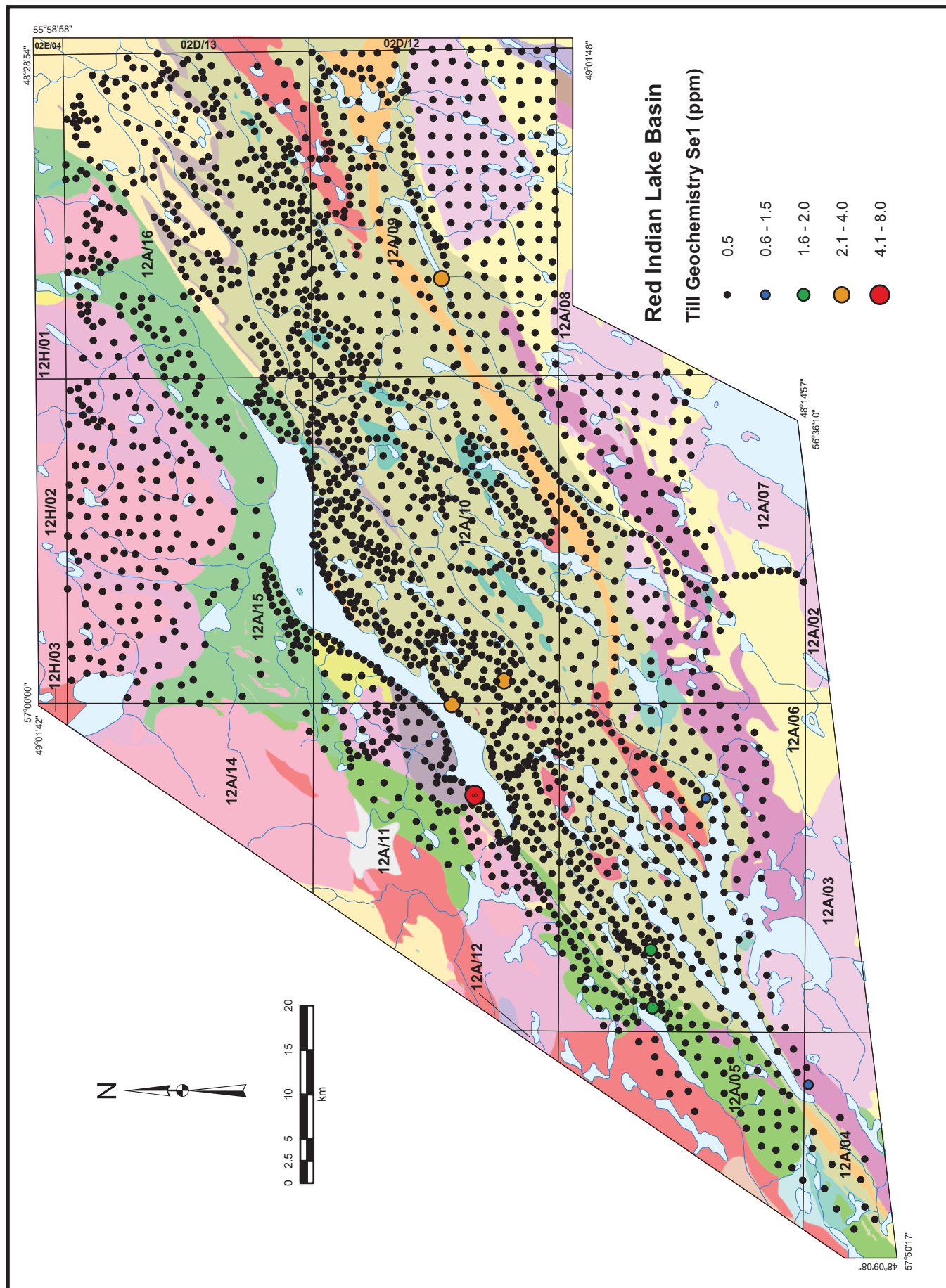


Figure 67. Distribution of selenium (Se1) in till.

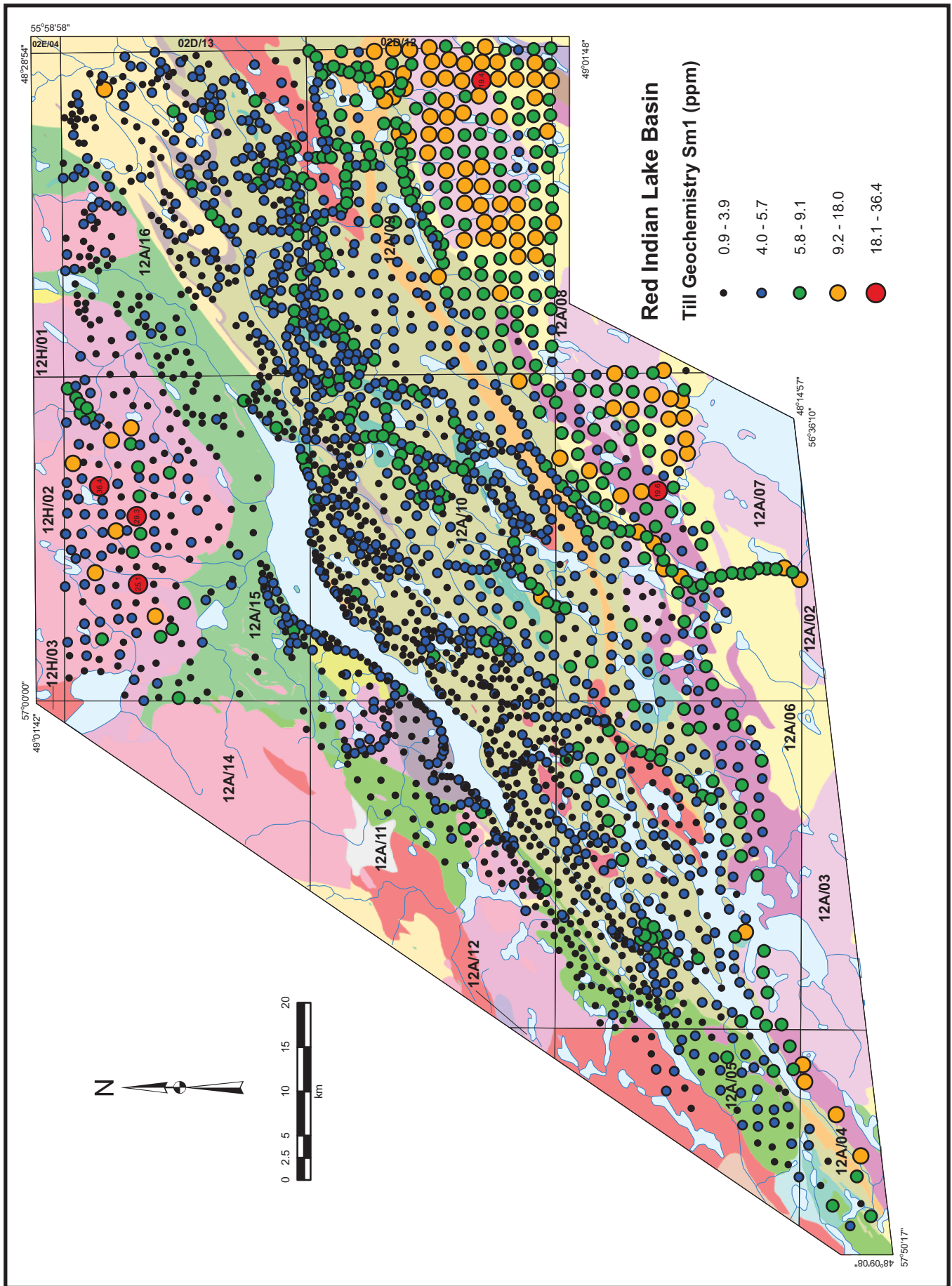


Figure 68. *Distribution of samarium (Sm1) in till.*

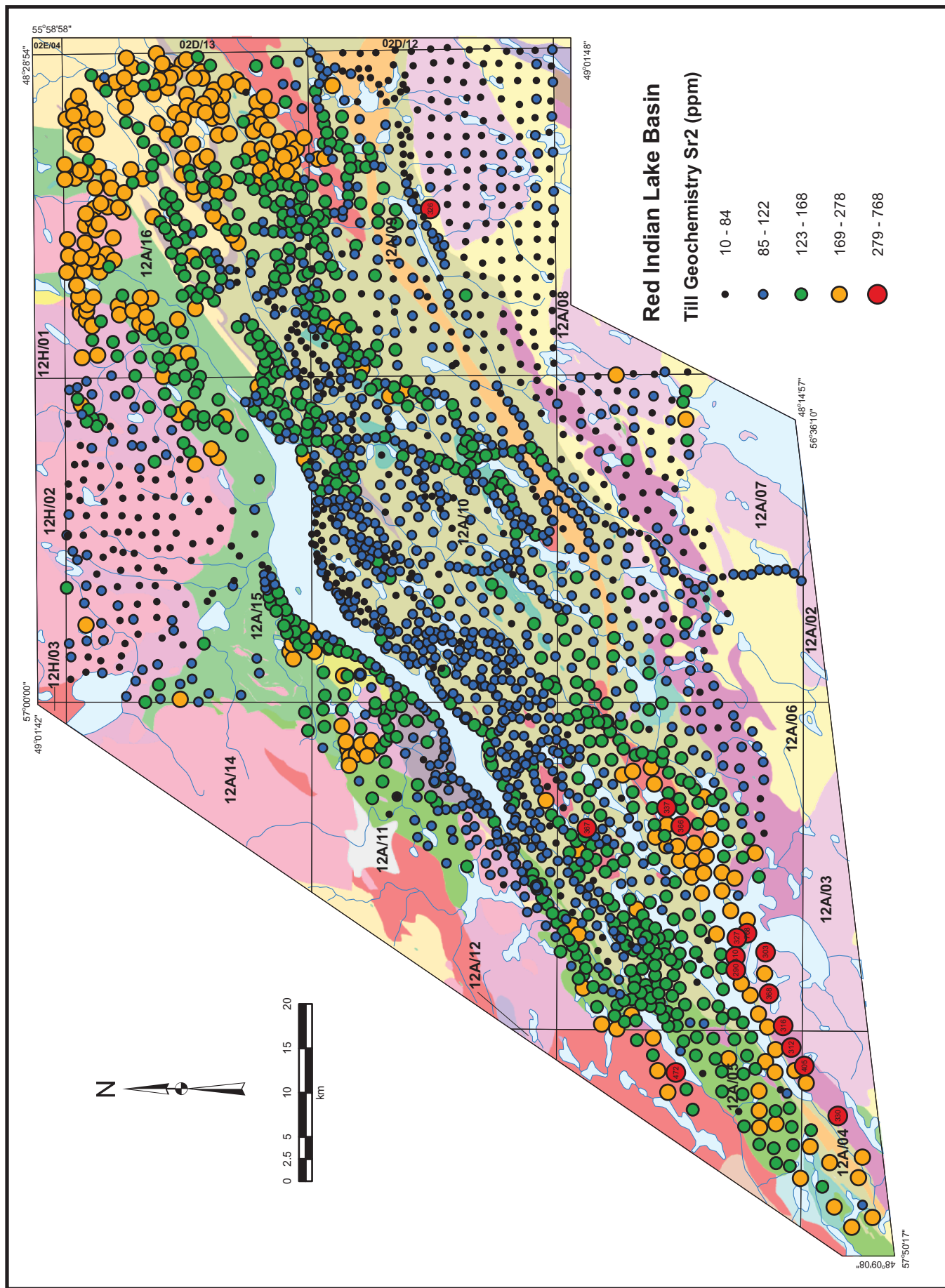


Figure 69. Distribution of strontium (Sr₂) in till.

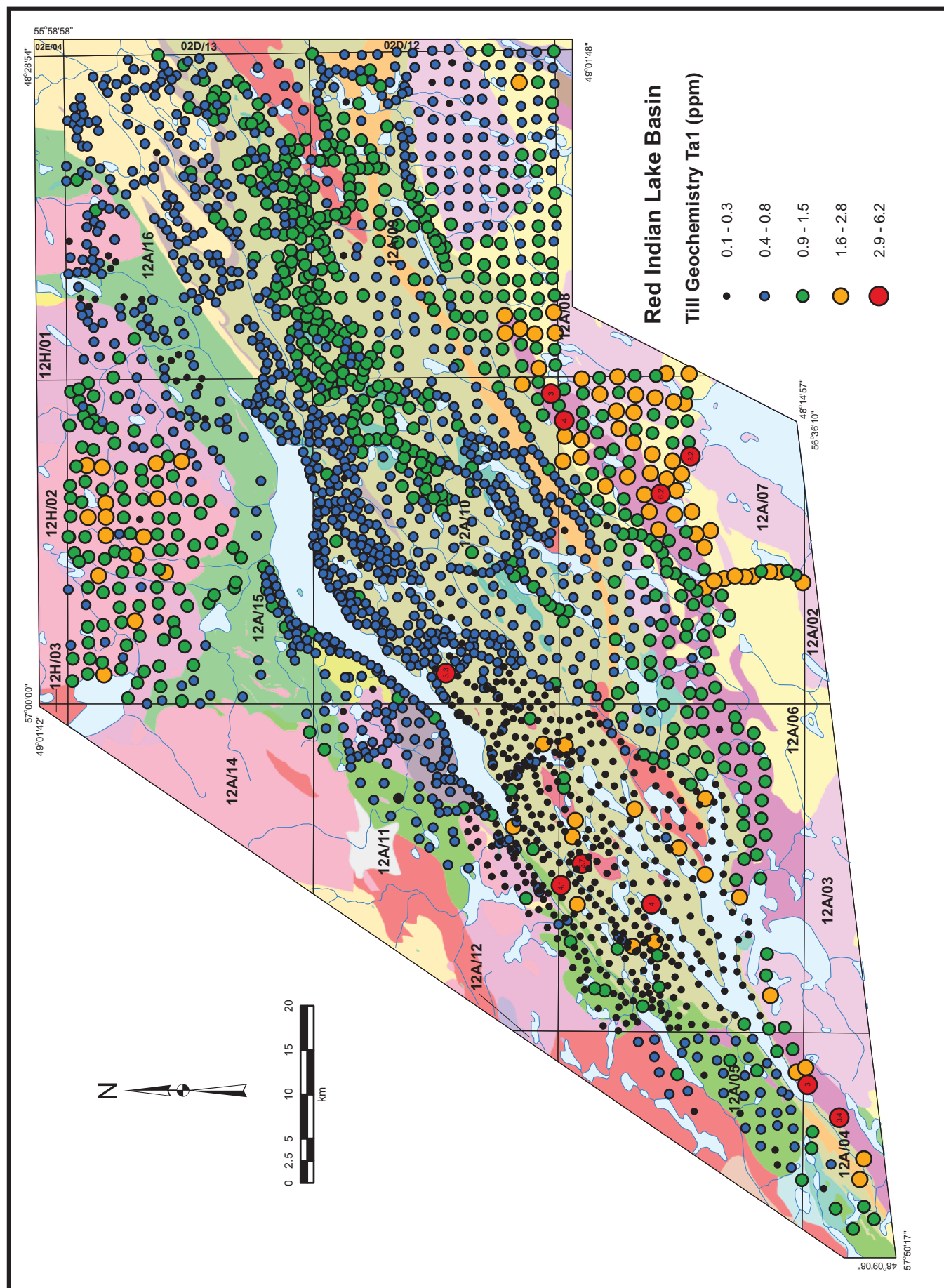


Figure 70. Distribution of tantalum (Ta1) in till.

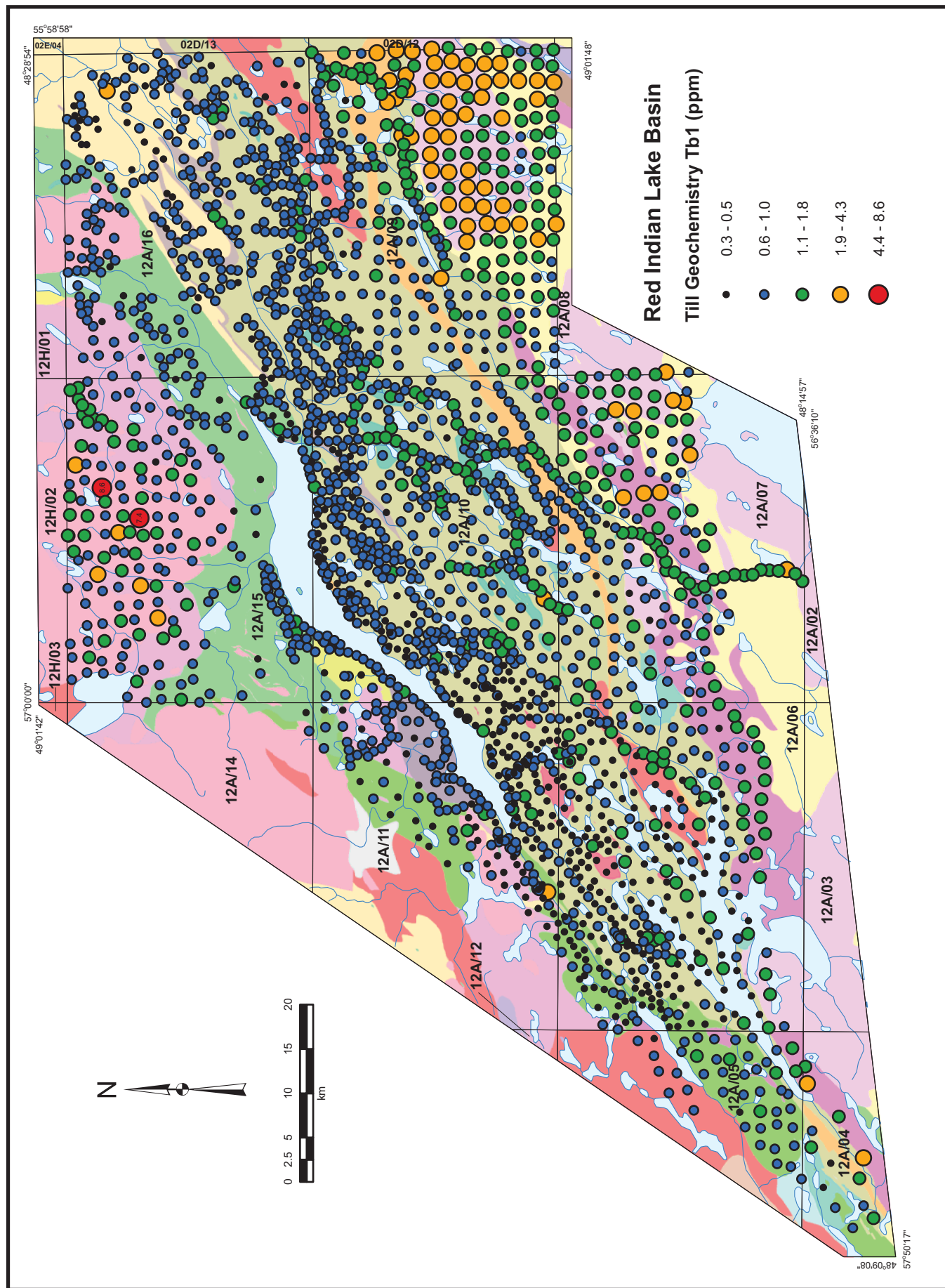


Figure 71. Distribution of terbium (Tb1) in till.

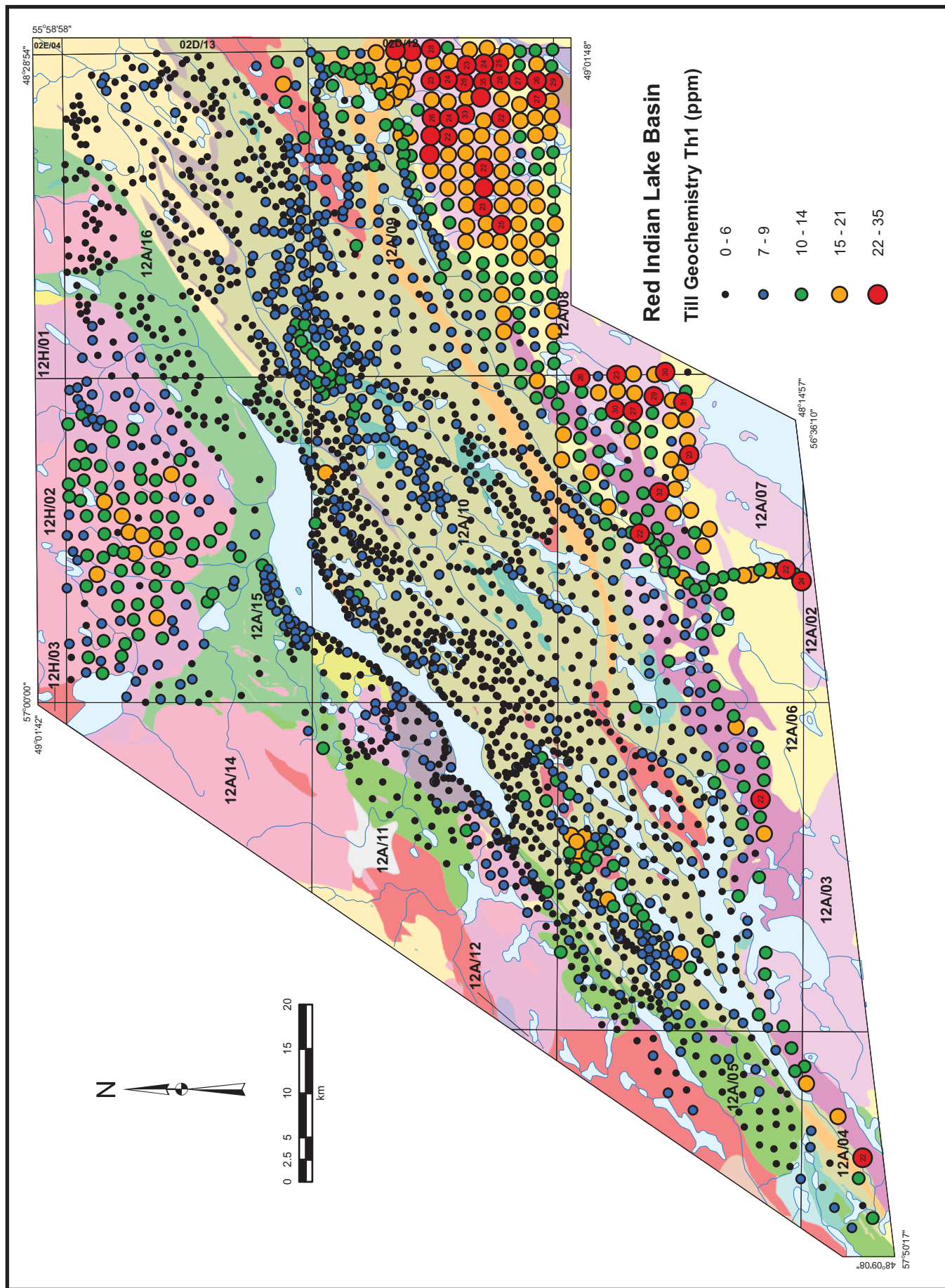


Figure 72. Distribution of thorium (*Th1*) in till.

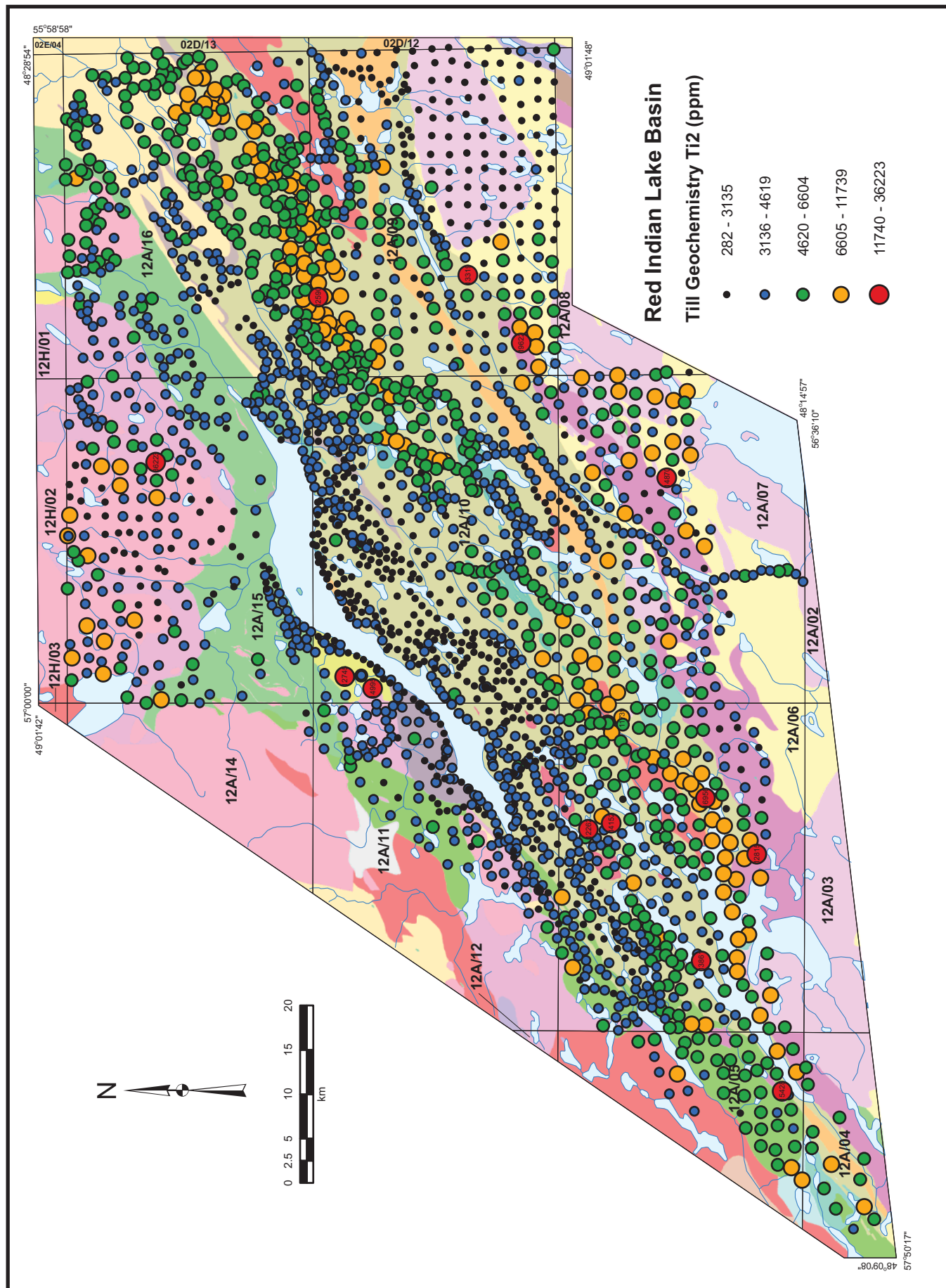


Figure 73. Distribution of titanium (Ti2) in till.

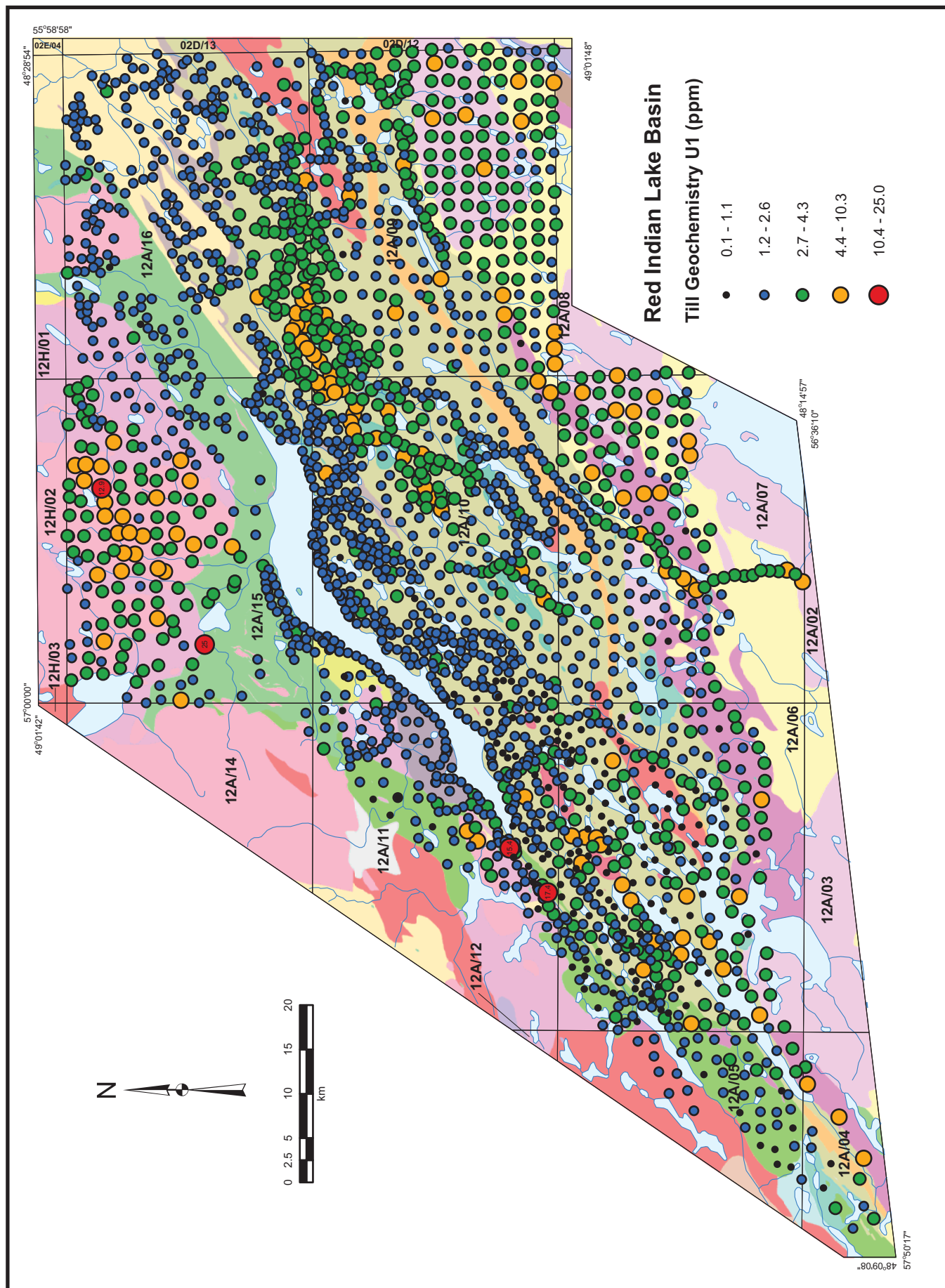


Figure 74. Distribution of uranium (U1) in till.

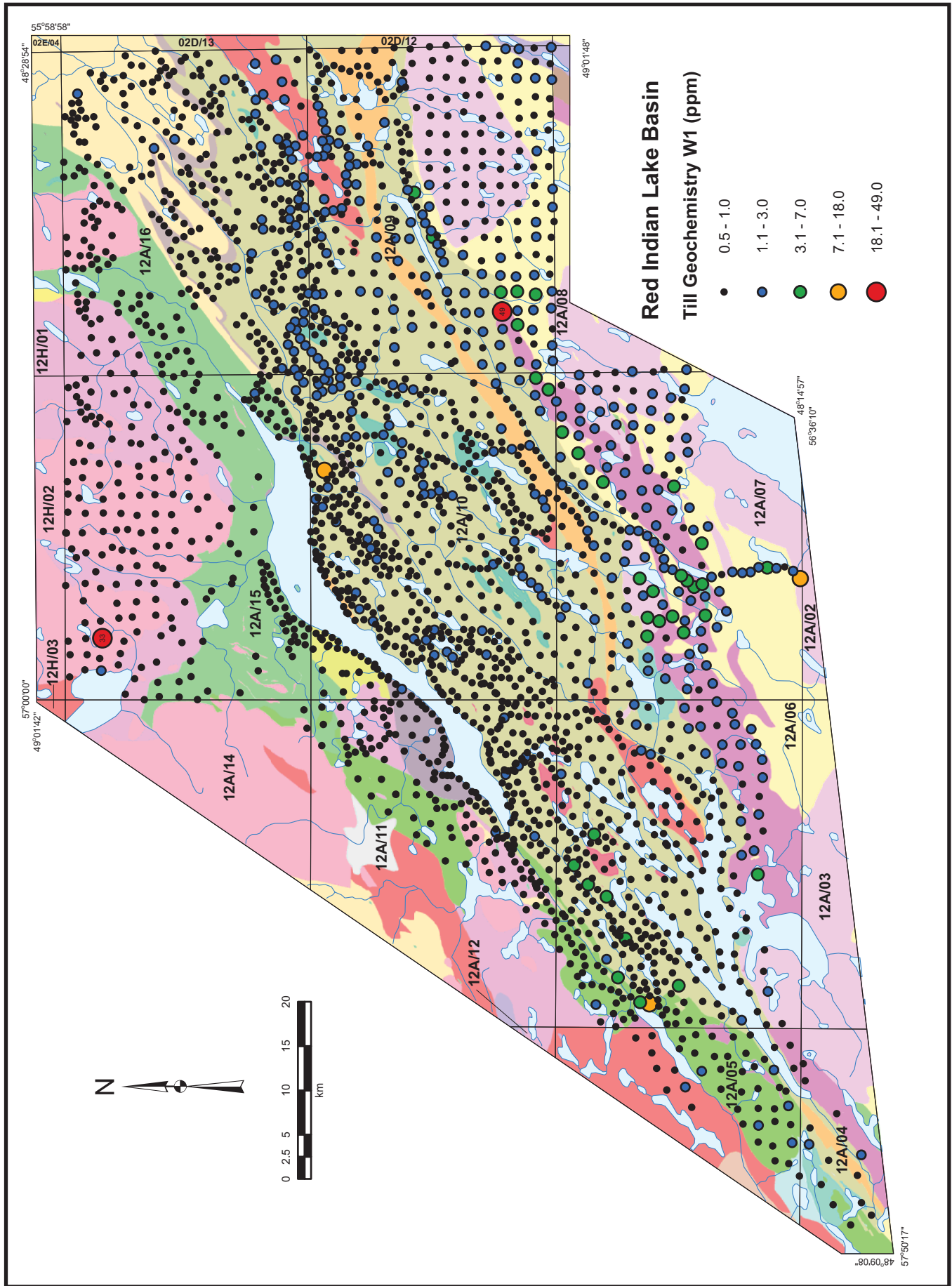


Figure 76. Distribution of tungsten (W1) in till.

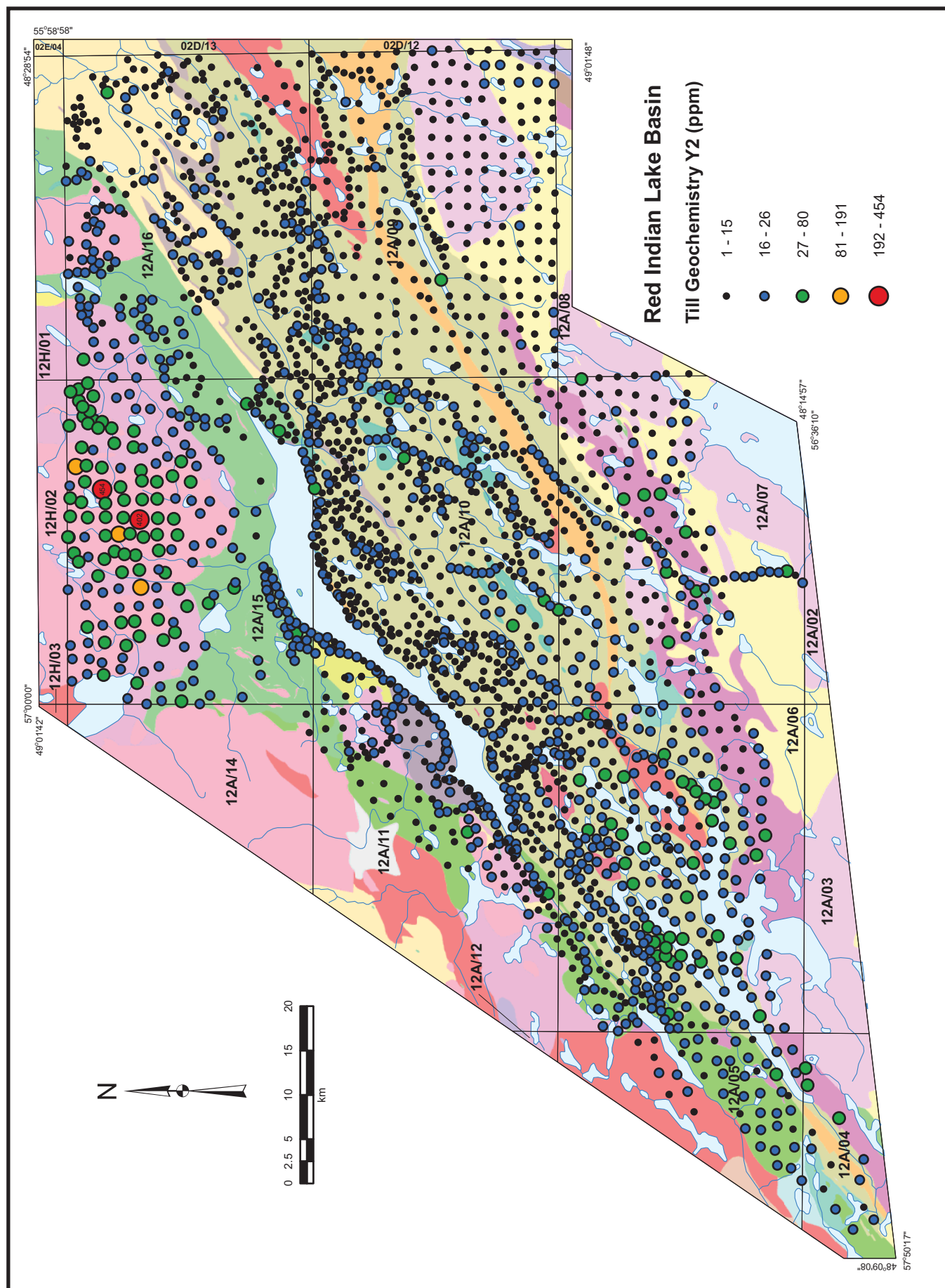


Figure 77. *Distribution of yttrium (Y2) in till.*

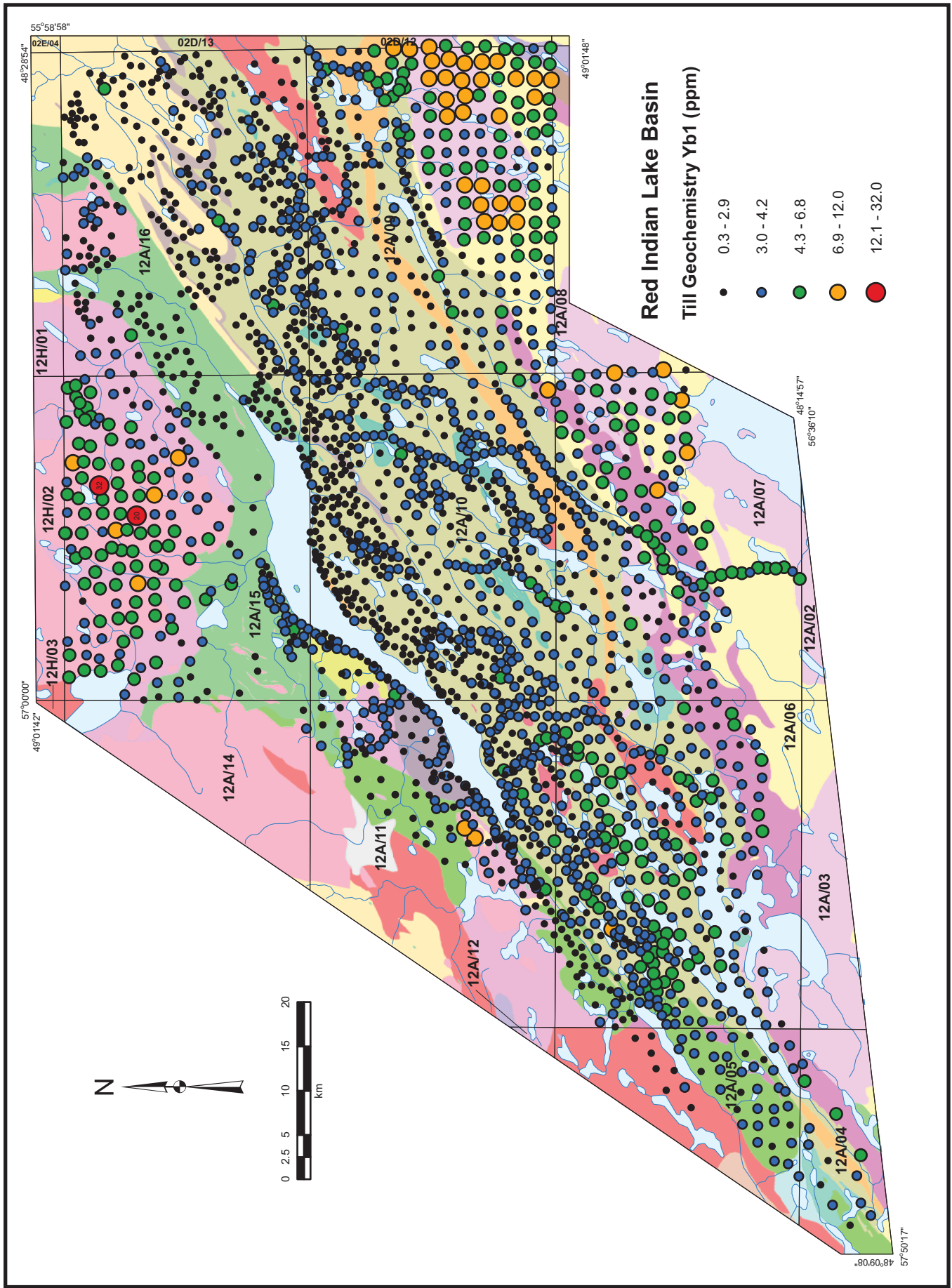


Figure 78. Distribution of ytterbium (Yb1) in till.

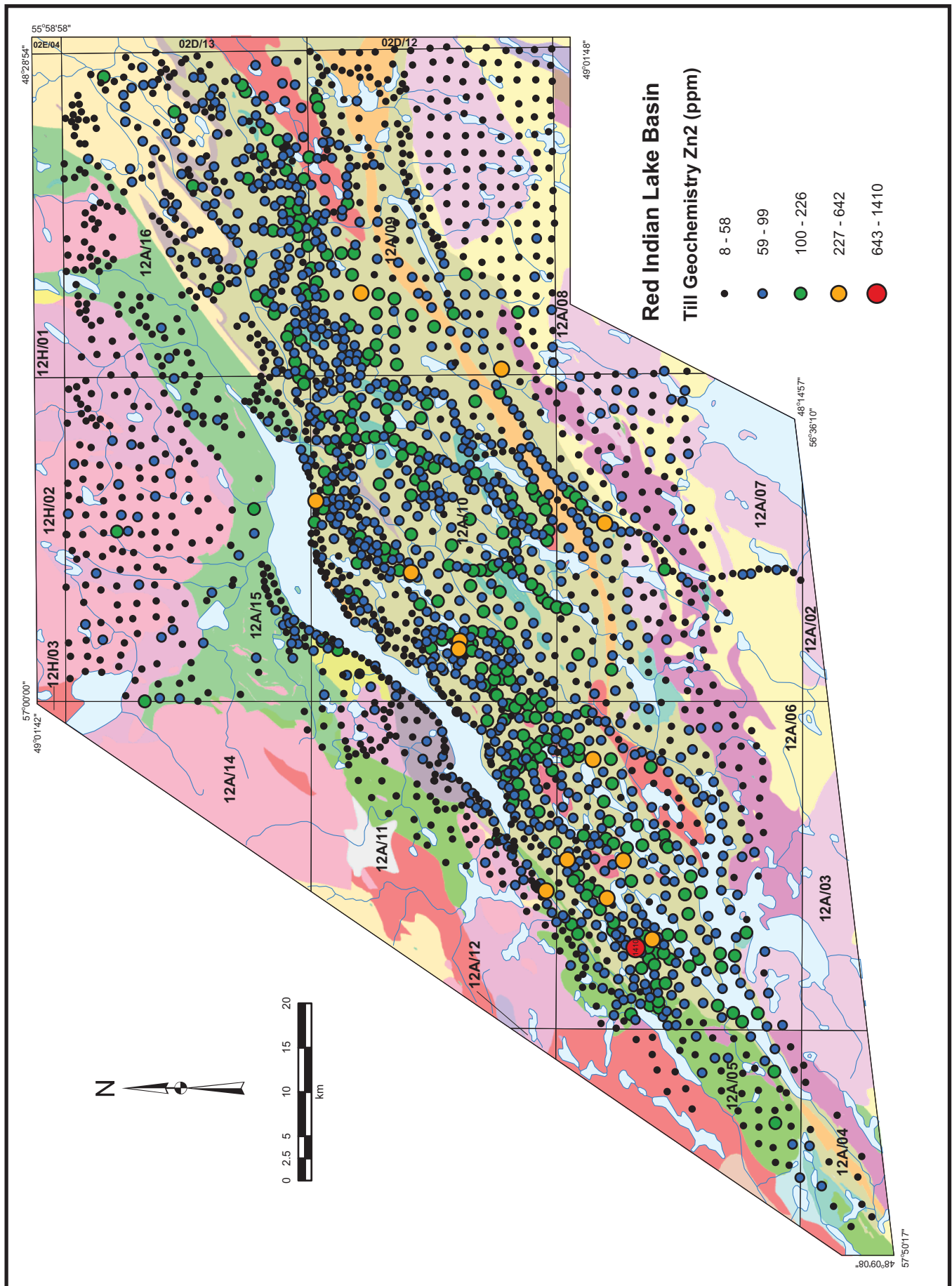


Figure 79. Distribution of zinc (Zn₂) in till.

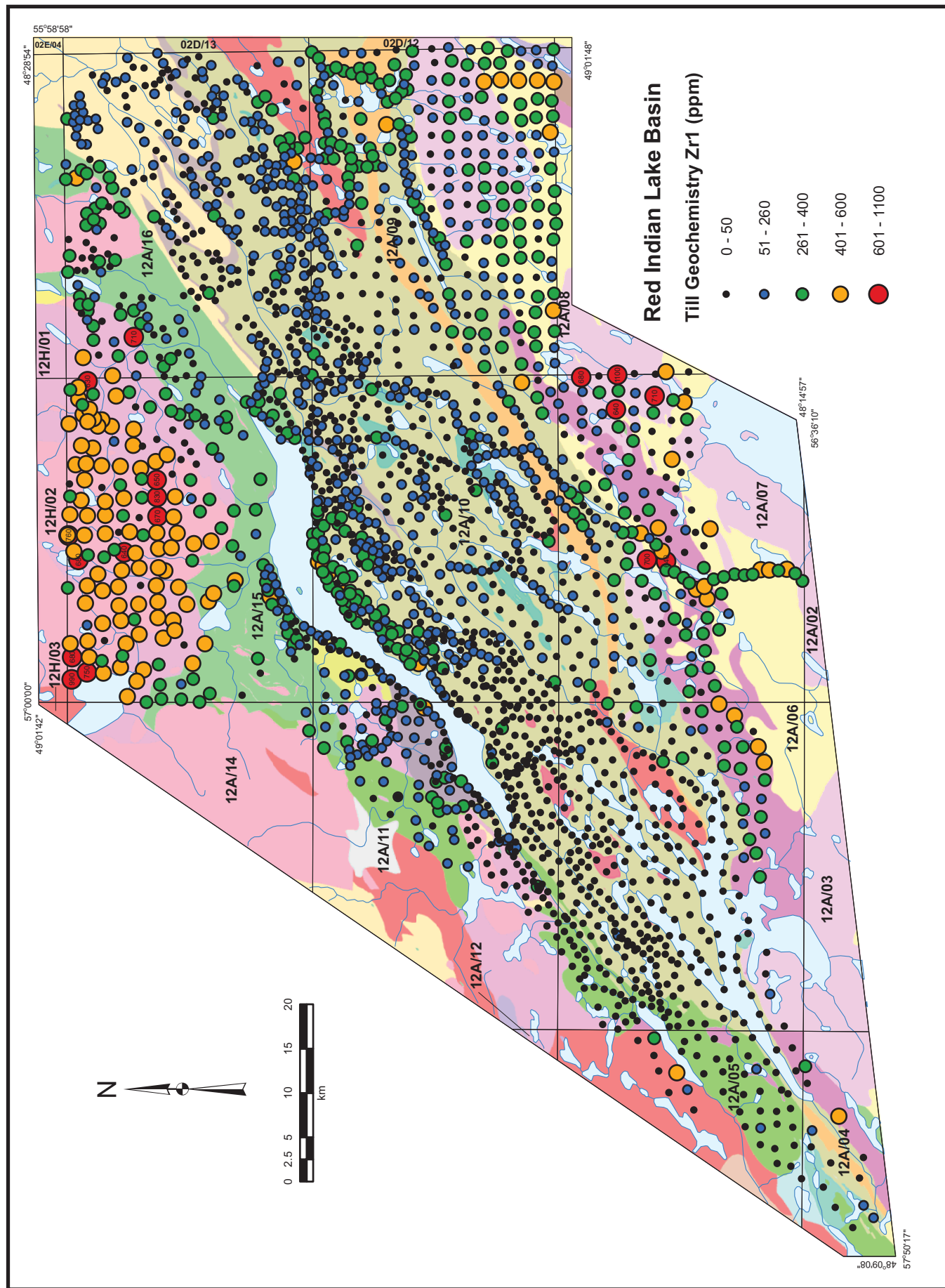


Figure 80. *Distribution of zirconium (Zr1) in till.*

